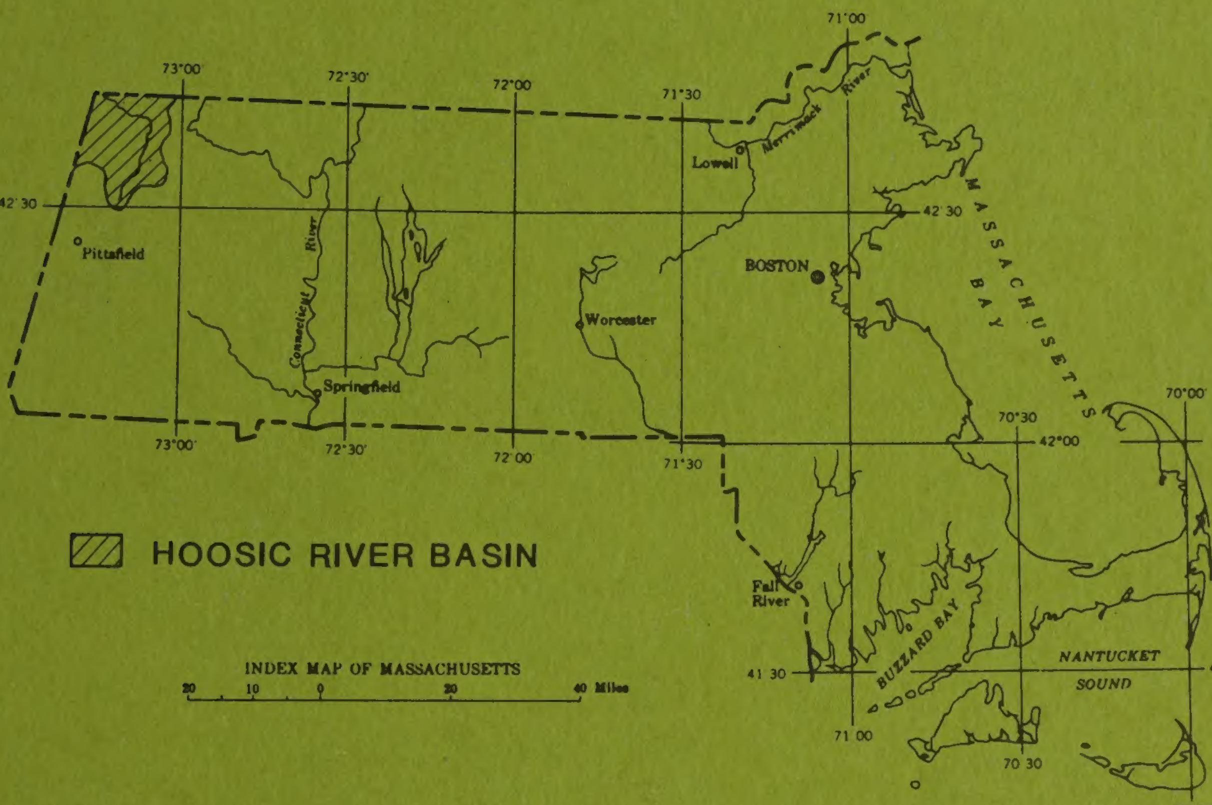
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MASSACHUSETTS HYDROLOGIC-DATA REPORT NO. 15

HYDROLOGIC DATA OF THE HOOSIC RIVER BASIN, MASSACHUSETTS

BY

BRUCE P. HANSEN, FREDERICK B. GAY, AND L. G. TOLER



PREPARED IN COOPERATION WITH THE
COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

1974

UNITED STATES
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Geological Survey

HYDROLOGIC DATA OF THE HOOSIC RIVER BASIN, MASSACHUSETTS

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Massachusetts Hydrologic-Data Report No. 15

Records of selected wells, borings, and springs, seismic surveys, surface-water discharges, and chemical analyses of water in the Hoosic River basin, Massachusetts

Prepared in cooperation with the

COMMONWEALTH OF MASSACHUSETTS, WATER RESOURCES COMMISSION

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Plate is in pocket

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INTRODUCTION

The Hoosic River has its headwaters in northwestern Massachusetts and southern Vermont and flows northwestward through southern Vermont into New York, where it is tributary to the Hudson River. Upstream from the Massachusetts State line the Hoosic River drains a total of 205 mi^2 (531 km^2) of which 164 mi^2 (425 km^2) are in Massachusetts, 39 mi^2 (101 km^2) are in Vermont, and 2 mi^2 (5 km^2) are in New York. This report contains hydrologic data for that part inside Massachusetts and includes all, or parts of, the towns of Adams, Cheshire, Clarksburg, Dalton, Florida, Hancock, Lanesborough, New Ashford, North Adams, Savoy, Williamstown, and Windsor.

The data tabulated here were collected during an investigation of the water resources of the Hoosic River basin in Massachusetts by the U.S. Geological Survey in cooperation with the Massachusetts Water Resources Commission. This report is released to make available to the public basic hydrologic and related information that will facilitate the planning of water-resources development and complements an interpretive report of the area (Hansen and others, 1973).

Data presented include selected information on wells, test borings, springs, seismic surveys, streamflow records, chemical analyses of surface and ground water and of rainfall, and suspended-sediment concentrations of surface water. (See Plate 1 for locations of all hydrologic-data collection sites.)

The authors wish to acknowledge the public officials, consulting firms, industrial concerns, well drillers, and individual homeowners who have given their time and information to this study.

Definition of terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined as follows:

Color is expressed in units of the platinum-cobalt scale proposed by Hazen (1892, p. 427-428). A unit of color is produced by 1 milligram per litre of platinum in the form of the chloroplatinate ion.

The extent to which water is colored by material in solution is reported as part of the water analysis because a significant color in water may indicate the presence of organic material that may have some bearing on the dissolved-solids content.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second, 448.8 gallons per minute, or 646,317 gallons per day.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Instantaneous discharge is the discharge at a particular instant of time, and the column is labeled "Discharge (ft^3/s)".

Drainage area of a stream at a specified location is that area, measured in a horizontal plane enclosed by a topographic divide, from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per litre (µg/l, UG/L) is a more precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per litre is equivalent to 1 milligram per litre. See below.

Milligrams per litre (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in the table below. Concentration of suspended sediment expressed in milligrams per litre is based on the weight of sediment in a litre of water-sediment mixture.

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*	0.11119	Hydroxide (OH^{-1})	0.05880
Ammonia as NH_4^{+1}	.05544	Iron (Fe^{+3})*	.05372
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Calcium (Ca^{+2})	.04990	Magnesium (Mg^{+2})	.08226
Carbonate (CO_3^{-2})	.03333	Manganese (Mn^{+2})*	.03640
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Potassium (K^{+1})	.02557
Cobalt (Co^{+2})*	.03394	Sodium (Na^{+1})	.04350
Copper (Cu^{+2})*	.03148	Strontium (Sr^{+2})*	.02283
Fluoride (F^{-1})	.05264	Sulfate (SO_4^{-2})	.02082
Hydrogen (H^{+1})	.99209	Zinc (Zn^{+2})*	.03060

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

pH is a symbol denoting the relative concentration of hydrogen ions in a solution; pH values range from 0 to 14--the lower the value, the more acid is the solution; that is, the more hydrogen ions it contains.

Refusal is a drilling term indicating the depth of a drill hole at which further penetration is impossible or impractical with the equipment being used.

Sediment is a solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Records are listed in downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. All stations are numbered consecutively in downstream order in this report. If a station has been assigned a number for the U.S. Geological Survey national surface-water data network, the network number is shown in parentheses.

COLLECTION AND EXAMINATION OF HYDROLOGIC DATA

Streamflow

The base data collected at continuous-record gaging stations consist of records of stage and measurements of discharge. These data are published annually (U.S. Geological Survey, 1967-74), and compilations condensing past annual reports are published periodically (U.S. Geological Survey, 1960, 1964, and 1969).

Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks on the measurement of stream discharge. (See SELECTED REFERENCES.)

More detailed information than that published for the gaging stations, such as discharge measurements, gage-height record, and rating tables, is on file in the district office. The long-term gaging-station records (through 1967) have been analyzed to give several statistical summaries including (1) number of days in each year that the daily discharge was between selected limits (duration tables); (2) lowest mean discharge for selected numbers of consecutive days in each year; and (3) highest mean discharge for selected numbers of consecutive days in each year.

Measurements of streamflow made at low-flow discharge stations are made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream.

Solutes

The methods of collecting and analyzing the water samples for determining the kinds and concentrations of solutes are described by Brown and others (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site. Water samples from wells are analyzed individually.

Solids are dissolved from the atmosphere by precipitation. The amount and type of solids may be affected by the source of airborne particles, the wind direction and velocity, and the rainfall intensity and duration. Samples of rainfall were collected monthly during selected periods.

Sediment

Suspended-sediment samples were collected periodically, particularly during periods of storm runoff when most of the suspended-sediment load is transported. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

Temperature

Most large streams have a small diurnal temperature change, while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges. To convert temperature data shown in degrees Celsius (centigrade, °C) to degrees Fahrenheit (°F), see following table:

Temperature conversion table,
degrees Celsius (°C) to degrees Fahrenheit (°F)
°F = 9/5 (°C) +32 or °C = 5/9 (°F -32)

°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86
.5	33	10.5	51	20.5	69	30.5	87
1.0	34	11.0	52	21.0	70	31.0	88
1.5	35	11.5	53	21.5	71	31.5	89
2.0	36	12.0	54	22.0	72	32.0	90
3.0	37	13.0	55	23.0	73	33.0	91
3.5	38	13.5	56	23.5	74	33.5	92
4.0	39	14.0	57	24.0	75	34.0	93
4.5	40	14.5	58	24.5	76	34.5	94
5.0	41	15.0	59	25.0	77	35.0	95
5.5	42	15.5	60	25.5	78	35.5	96
6.0	43	16.0	61	26.0	79	36.0	97
6.5	44	16.5	62	26.5	80	36.5	98
7.0	45	17.0	63	27.0	81	37.0	99
8.0	46	18.0	64	28.0	82	38.0	100
8.5	47	18.5	65	28.5	83	38.5	101
9.0	48	19.0	66	29.0	84	39.0	102
9.5	49	19.5	67	29.5	85	39.5	103

CONVERSION FACTORS

The following table may be used to convert English units to International System of units (SI).

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
	Area	
acres	4047	square metres (m^2)
	.4047	hectares (ha)
	.4047	square hectometre (hm^2)
	.004047	square kilometres (km^2)
square miles (mi^2)	2.590	square kilometres (km^2)
	Volume	
gallons (gal)	3.785	litres (l)
	3.785	cubic decimetres (dm^3)
	3.785×10^{-3}	cubic metres (m^3)
million gallons (10^6 gal)	3785	cubic metres (m^3)
	3.785×10^{-3}	cubic hectometres (hm^3)
cubic feet (ft^3)	28.32	cubic decimetres (dm^3)
	.02832	cubic metres (m^3)
cfs-day (ft^3/s-day)	2447	cubic metres (m^3)
	2.447×10^{-3}	cubic hectometres (hm^3)
acre-feet (acre-ft)	1233	cubic metres (m^3)
	1.233×10^{-3}	cubic hectometres (hm^3)
	1.233×10^{-6}	cubic kilometres (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm^3/s)
	.02832	cubic metres per second (m^3/s)
gallons per minute (gal/min)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm^3/s)
	6.309×10^{-5}	cubic metres per second (m^3/s)
million gallons per day (Mgal/day)	43.81	cubic decimetres per second (dm^3/s)
	.04381	cubic metres per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

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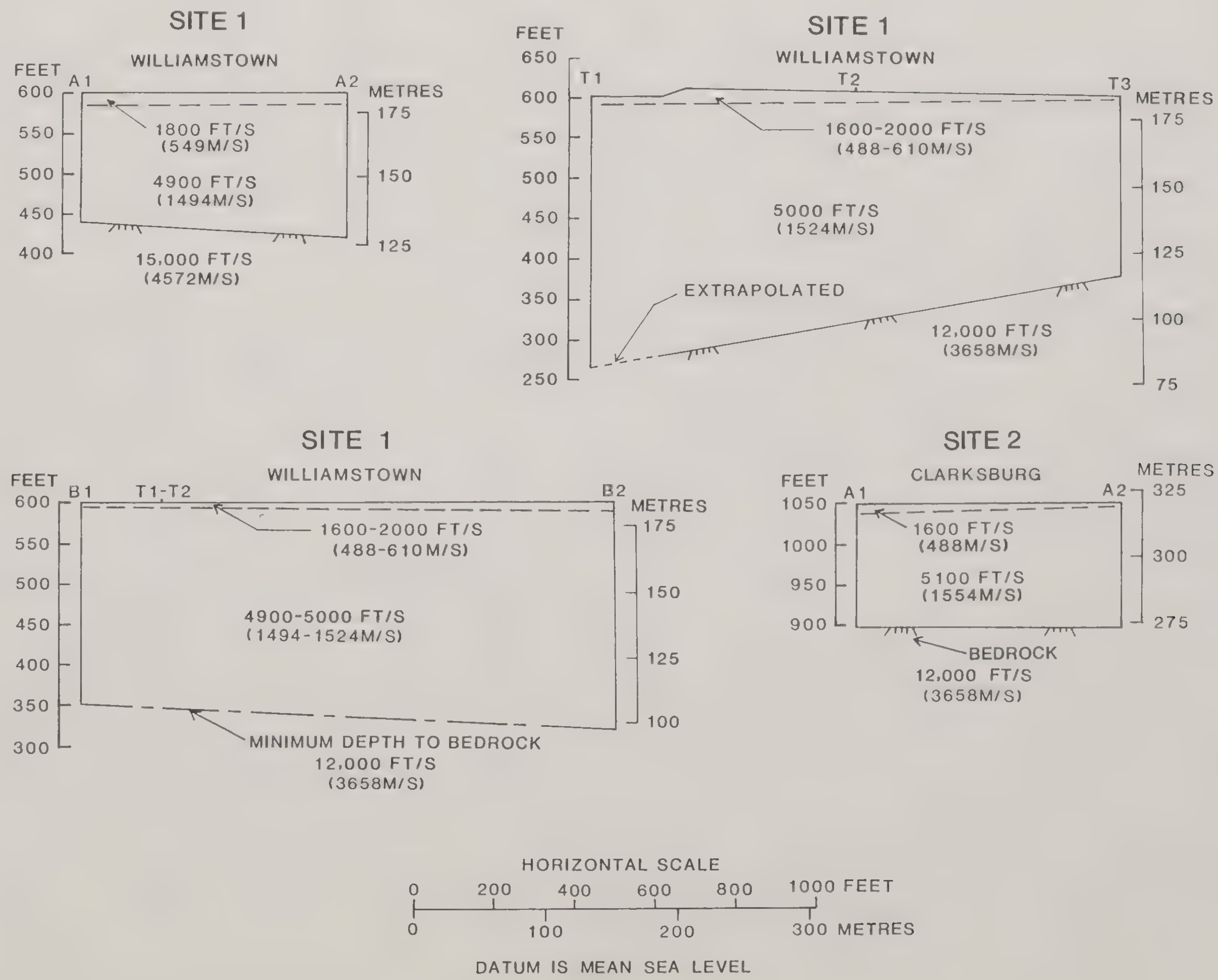
Figure 1.--Profile sections of selected seismic surveys.

These profiles are the result of a seismic survey made in July 1965 for the U.S. Geological Survey by Weston Geophysical Engineers, Incorporated. The survey was made at selected areas in the Hoosic River basin to determine the thickness of unconsolidated sediments overlying bedrock. Locations of the seismic lines corresponding to the profiles are shown on plate 1.

Low velocity (1200-2000 ft/s or 366-610 m/s) layers at the top of the profiles are interpreted as unconsolidated sediments which lie above the water table and are not saturated with water. Medium velocity (4800-5700 ft/s or 1463-1737 m/s) layers are interpreted as water-saturated unconsolidated sediments, and high velocity (10,000-15,000 ft/s or 3048-4572 m/s) layers at the bottom of the profiles are interpreted as consolidated rock (bedrock).



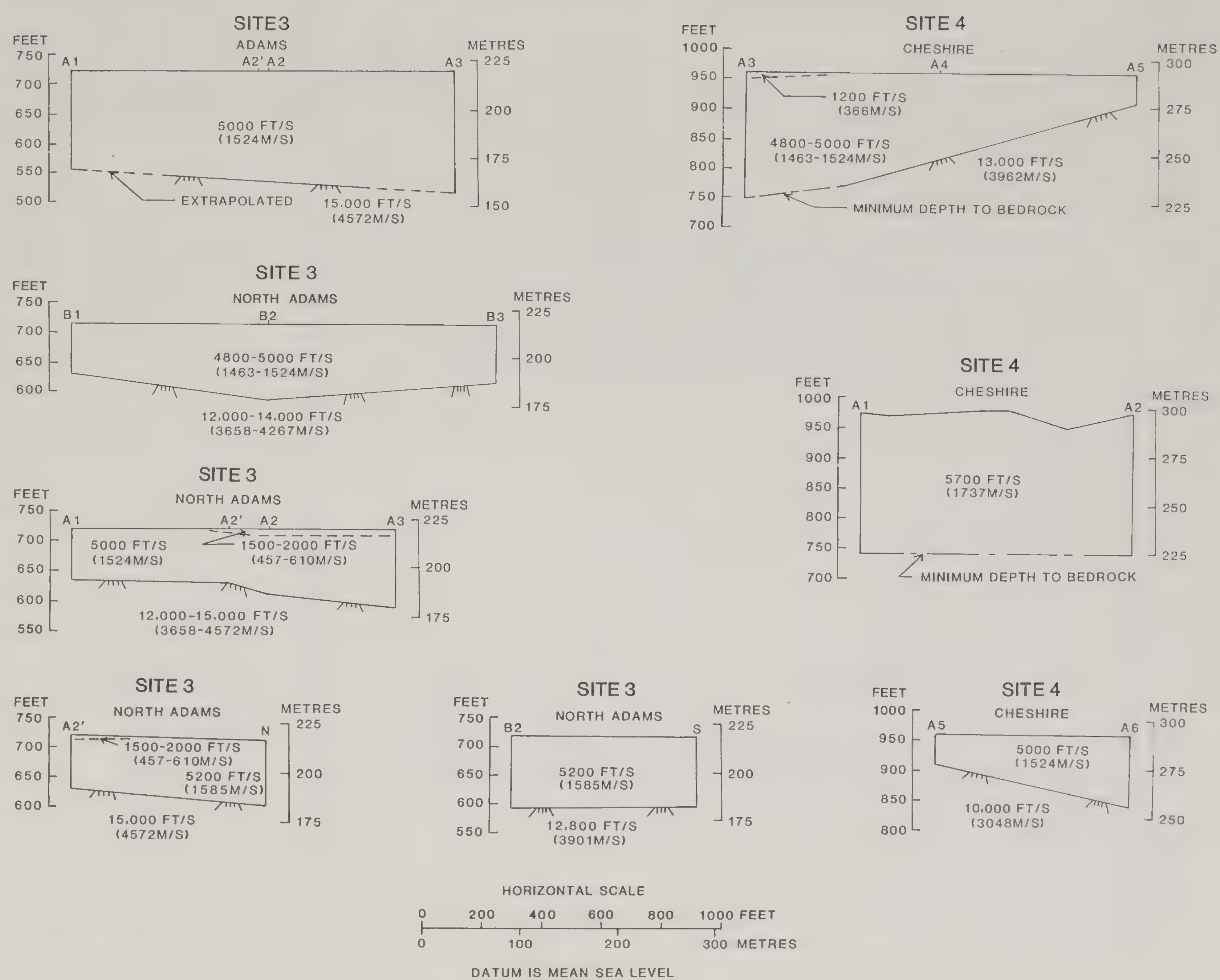

SITE 3
ADAMS
A1
A2' A2
A3
FEET
750
700
650
600
550
500
METRES
225
200
175
150
5000 FT/S
(1524M/S)
EXTRAPOLATED
15,000 FT/S
(4572M/S)
SITE 4
CHESHIRE
A3
A4
A5
FEET
1000
950
900
850
800
750
700
METRES
300
275
250
225
1200 FT/S
(366M/S)
4800-5000 FT/S
(1463-1524M/S)
13,000 FT/S
(3962M/S)
MINIMUM DEPTH TO BEDROCK
SITE 3
NORTH ADAMS
B1
B2
B3
FEET
750
700
650
600
METRES
225
200
175
4800-5000 FT/S
(1463-1524M/S)
12,000-14,000 FT/S
(3658-4267M/S)
SITE 4
CHESHIRE
A1
A2
FEET
1000
950
900
850
800
750
700
METRES
300
275
250
225
5700 FT/S
(1737M/S)
MINIMUM DEPTH TO BEDROCK
SITE 3
NORTH ADAMS
A1
A2'
A2
A3
FEET
750
700
650
600
550
METRES
225
200
175
5000 FT/S
(1524M/S)
1500-2000 FT/S
(457-610M/S)
12,000-15,000 FT/S
(3658-4572M/S)
SITE 3
NORTH ADAMS
A2'
N
FEET
750
700
650
600
METRES
225
200
175
1500-2000 FT/S
(457-610M/S)
5200 FT/S
(1585M/S)
15,000 FT/S
(4572M/S)
SITE 3
NORTH ADAMS
B2
S
FEET
750
700
650
600
550
METRES
225
200
175
5200 FT/S
(1585M/S)
12,800 FT/S
(3901M/S)
SITE 4
CHESHIRE
A5
A6
FEET
1000
950
900
850
800
METRES
300
275
250
5000 FT/S
(1524M/S)
10,000 FT/S
(3048M/S)
HORIZONTAL SCALE
0 200 400 600 800 1000 FEET
0 100 200 300 METRES
DATUM IS MEAN SEA LEVEL

TABLE 1.--DESCRIPTION OF SELECTED WELLS AND BORINGS

LOCAL WELL NUMBER: LETTER PREFIX INDICATES--A, U.S. GEOLOGICAL SURVEY AUGER BORING; B, BRIDGE BORING; R, ROADWAY BORING; W, WELL OR TEST WELL (THE "W" IS OMITTED FROM PLATE 1 TO CONSERVE SPACE); X, MISCELLANEOUS TEST BORING.

LATITUDE-LONGITUDE: NUMBER FOLLOWING DECIMAL POINT IS A SEQUENTIAL NUMBER FOR WELLS OR BORINGS IN A 1-SECOND GRID.

ALTITUDE OF LAND-SURFACE DATUM: ALTITUDES ARE EXPRESSED IN FEET ABOVE MEAN SEA LEVEL; THOSE PRECEDED BY A MINUS SIGN ARE BELOW MEAN SEA LEVEL.

METHOD DRILLED: A, AIR-ROTARY; B, BORED OR AUGERED; C, CABLE TOOL; D, DUG; H, HYDRAULIC-ROTARY; J, JETTED; P, AIR-PERCUSSION; R, REVERSE-ROTARY; T, TRENCHED; V, DRIVEN; W, DRIVE-WASH.

WELL FINISH: C, POROUS CONCRETE; F, GRAVEL WALL WITH PERFORATED OR SLOTTED CASING; G, GRAVEL WALL WITH COMMERCIAL SCREEN; H, HORIZONTAL GALLERY OR COLLECTOR; O, OPEN END; P, PERFORATED OR SLOTTED CASING; S, SCREEN; T, SAND POINT; W, WALLED OR SHORED; X, OPEN HOLE IN AQUIFER (GENERALLY CASED TO AQUIFER).

WELL DEPTH: DEPTH OF FINISHED WELL, IN FEET BELOW LAND SURFACE.

WELL USE: A, ANODE; D, DRAINAGE; G, SEISMIC HOLE; H, HEAT RESERVOIR; O, OBSERVATION; P, OIL OR GAS; R, RECHARGE; T, TEST; U, UNUSED; W, WATER WITHDRAWAL; X, WASTE DISPOSAL; Z, DESTROYED.

WATER-BEARING MATERIAL: PRINCIPAL WATER-BEARING ZONE.

ADJECTIVE (FIRST CHARACTER)	
1	VERY FINE GRAINED
2	FINE GRAINED
3	MEDIUM GRAINED
4	COARSE GRAINED
5	VERY COARSE GRAINED
6	CLAYEY
7	SILTY
8	SANDY
9	GRAVELLY
0	CAVERNOUS
A	ARGILLACEOUS
B	BOULDERY
C	CALCAREOUS
D	DENSE
E	CONCRETIONARY
F	IRONSTAINED OR IRON CEMENTED
G	GRANULAR
H	HARD
I	INTERBEDDED
J	JOINTED OR FRACTURED
K	COLUMNAR
L	LAMINATED OR BANDED
M	MASSIVE
N	NONCALCAREOUS
O	ORGANIC
P	POORLY SORTED
Q	CHERTY OR SILICEOUS
R	REDBED
S	SOFT
T	"SALT AND PEPPER"
U	UNCONSOLIDATED
V	SEMICONSOLIDATED
W	WELL SORTED
X	CROSS BEDDED
Y	SHALY OR SLATY
Z	WEATHERED

LITHOLOGY (SECOND CHARACTER)	
A	ALLUVIUM
B	SEDIMENTARY ROCK, UNCLASSIFIED
C	CONGLOMERATE
D	DOLOMITE
E	GYPSUM OR ANHYDRITE
F	SHALE
G	GRAVEL
H	IGNEOUS, GRANULAR (GABBRO, GRANITE, ETC.)
I	IGNEOUS, APHANITIC OR GLASSY (BASALT, ETC.)
J	IGNEOUS, UNCONSOLIDATED (TUFF, VOLCANIC ASH)
K	SAPROLITE
L	LIMESTONE
M	MARL OR SHELL MARL
N	METAMORPHIC, COARSE GRAINED (GNEISS, MARBLE, QUARTZITE)
O	METAMORPHIC, FINE GRAINED (SCHIST, SLATE)
P	CLAY
Q	SILT OR LOESS
R	SAND AND GRAVEL
S	SAND
T	TILL
U	UNCONSOLIDATED SEDIMENT
V	SANDSTONE
W	SILTSTONE
X	SILTY SAND
Y	CLAYEY GRAVEL
Z	OTHER

WATER LEVEL: LEVELS ARE GIVEN IN FEET BELOW LAND SURFACE; "+" INDICATES WATER LEVEL ABOVE LAND SURFACE; "F" INDICATES FLOWING WELL.

WATER USE: A, AIR CONDITIONING; B, BOTTLING; C, COMMERCIAL; D, DEWATERING; E, POWER GENERATION; F, FIRE PROTECTION; H, DOMESTIC; I, IRRIGATION; M, MEDICINAL; N, INDUSTRIAL (INCLUDES MINING); P, PUBLIC SUPPLY; R, RECREATION; S, STOCK; T, INSTITUTIONAL; U, UNUSED; V, REPRESSURIZATION; W, RECHARGE; X, DESALINATION--PUBLIC SUPPLIES; Y, DESALINATION--OTHER SUPPLIES.

PUMPAGE/YIELD: IN GALLONS PER MINUTE (GAL/MIN).

PUMPAGE/DRAWDOWN: THE DIFFERENCE BETWEEN STATIC WATER LEVEL AND PUMPING LEVEL.

PUMPAGE/TIME: THE FOLLOWING CODES ARE USED FOR PUMPING PERIODS OF LESS THAN 1 HOUR: A, THROUGH 15 MINUTES; B, 16 TO 30 MINUTES; C, 31 TO 45 MINUTES; D, 46 TO 59 MINUTES.

LOG: D, DRILLER'S LOG; E, ELECTRIC LOG; G, GEOLOGIST'S LOG AVAILABLE IN TABLE 2.

QW: TYPE OF CHEMICAL ANALYSIS AVAILABLE IN TABLE 3. C, COMPLETE; J, CONDUCTANCE AND CHLORIDE; K, CONDUCTANCE; L, CHLORIDE; M, MULTIPLE (INCLUDES ONE COMPLETE AND ONE OR MORE PARTIAL); P, PARTIAL.

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS AND BORINGS

LOCAL WELL NUMBER		LOCATION	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/	METHOD DRILLED	WELL: DIAMETER (IN)	WELL: FINISH	WELL: DEPTH (FT)	WELL: USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER: LEVEL (FT)	WATER: DATE MEASURED	WATER: USE	PUMPAGE: YIELD (GAL/MIN)	PUMPAGE: DD (FT)	PUMPAGE: TIME (HR)	LOG	QW
				ADAMS																
B	1	423637N0730737.1	795	MDPW	--	-	--	O	22	T	--	UR	6	--	U	--	--	--	D	-
B	2	423627N0730734.1	710	MDPW	1938	W	--	O	10	T	--	--	--	--	U	--	--	--	D	-
B	5	423654N0730726.1	740	MDPW	--	-	--	O	27	T	--	UR	--	--	U	--	--	--	D	-
B	10	423730N0730701.1	789	MDPW	1938	-	--	O	38	T	--	--	--	--	U	--	--	--	D	-
B	11	423716N0730701.1	670	MDPW	--	-	--	O	30	T	--	R	--	--	U	--	--	--	D	-
B	19	423822N0730632.1	743	MDPW	--	B	--	C	87	T	--	2S	--	--	U	--	--	--	D	-
W	1	423655N0730819.1	1110	STURTEVANT D M	--	D	18	W	16	W	--	UR	--	--	H	--	--	--	-	-
W	2	423906N0730632.1	725	ROCHESTER PAPER	--	W	3	T	150	W	--	--	0	--	N	--	--	--	-	-
W	15	423816N0730636.1	745	ARNOLD PRINT CO	1913	V	2	-	20	W	--	--	--	--	N	12	--	--	-	-
W	27	423814N0730636.1	745	ARNOLD PRINT CO	1913	V	2	-	30	W	--	--	10	-28	N	--	3	72	-	-
W	61	423817N0730640.1	745	ARNOLD PRINT CC	1913	V	2	-	20	W	--	--	10	-28	N	17	--	--	-	-
W	83	423815N0730641.1	745	ARNOLD PRINT CC	1913	V	2	-	20	W	--	--	10	-28	N	6	3	72	-	-
W	97	423814N0730640.1	745	ARNOLD PRINT CO	1929	C	10	-	148	W	--	--	--	--	N	--	--	--	-	P
W	98	423724N0730604.1	1115	SZUREK TEKLA	1949	C	6	S	108	W	--	UG	30	10-49	H	7	24	8	D	-
W	99	423725N0730546.1	1130	MICEK STANLEY	1950	-	6	C	51	W	--	UG	3	-50	H	8	--	--	D	-
W	100	423610N0730529.1	1370	GANCARZ JULIA	1950	C	6	X	133	W	--	N	72	-50	H	5	--	--	D	-
W	101	423840N0730649.1	730	PFIZER CO	1942	C	12	S	65	Z	--	R	28	4-42	U	250	--	--	D	P
W	102	423840N0730647.1	730	PFIZER CO	1942	C	12	S	84	W	100	UR	15	5-42	N	470	--	--	D	M
W	115	423907N0730632.1	725	ROCHESTER PAPER	1953	-	18	G	158	W	--	R	+5	3-53	N	2100	--	--	D	M
W	116	423918N0730635.1	775	BRIGHTWATER CO	--	-	6	-	--	U	--	R	F	--	N	--	--	--	-	-
W	126	423702N0730730.1	730	DEWEY ALMY CC	--	D	102	O	8	W	--	8Q	4	-53	N	30	--	--	-	-
W	128	423708N0730726.1	710	L L BROWN CO	--	J	6	P	85	W	--	U	5	--	N	165	--	--	-	C
W	131	423657N0730725.1	730	L L BROWN CO	--	C	6	-	66	W	--	U	6	3-53	N	50	--	--	-	-
W	134	423651N0730713.1	850	L L BROWN CC	1912	C	6	X	700	W	--	L	F	-12	N	200	--	--	-	-
W	135	423651N0730713.2	850	L L BROWN CC	1912	C	8	X	1000	W	--	L	F	--	N	215	--	--	-	-
W	136	423840N0730648.1	730	PFIZER CC	1951	C	8	S	60	W	--	UR	20	12-51	N	400	27	12	D	P
W	142	423840N0730643.1	755	PFIZER CC	1966	-	8	X	182	T	--	--	--	--	U	--	--	--	D	-
W	143	423839N0730648.1	730	PFIZER CO	1966	-	8	O	40	T	--	--	--	--	U	--	--	--	D	-
W	144	423845N0730655.1	760	PFIZER CC	1966	-	10	X	30	T	--	--	--	--	U	--	--	--	D	-
W	145	423848N0730650.1	762	PFIZER CO	1966	-	10	X	48	T	--	--	--	--	U	--	--	--	D	-
W	146	423831N0730641.1	748	PFIZER CC	1969	-	10	O	150	T	--	6S	--	--	U	--	--	--	D	-
W	147	423856N0730641.1	740	PFIZER CO	1967	C	8	S	196	W	--	6R	14	1-67	N	500	27	4	D	P
W	148	423908N0730632.1	725	RCCHESTER PAPER	1965	-	24	G	158	W	--	R	14	6-65	N	1000	32	--	D	P
W	149	423704N0730614.1	1045	SPEED	--	D	36	W	15	O	--	R	4	4-68	U	--	--	--	-	-
W	150	423702N0730614.1	1050	GWOZDZ STANLY F	--	D	36	W	9	O	--	R	2	4-68	U	--	--	--	-	-
W	151	423813N0731001.1	3470	MT GREYLOCK RES	1968	-	6	X	400	W	--	O	340	-68	R	20	--	--	-	-
W	152	423814N0731008.1	3440	CAPITAL CITIES	1956	C	6	X	200	W	0	O	--	--	H	--	--	--	-	C
				CHESHIRE																
B	1	423520N0730648.1	1150	MDPW	1939	-	--	-	10	T	--	--	--	--	U	--	--	--	D	-
B	8	423314N0730916.1	874	MDPW	1926	V	--	O	62	T	--	UG	1	6-26	U	--	--	--	D	-
B	13	423538N0730837.1	955	MDPW	1962	B	--	X	11	T	--	2R	2	10-62	U	--	--	--	D	-
B	17	423128N0731132.1	987	MDPW	1958	-	--	O	50	T	--	2R	2	6-58	U	--	--	--	D	-
W	1	423522N0730830.1	953	ADAMS FIRE DIST	--	V	2	-	85	O	--	UG	12	8-47	U	--	--	--	D	-
W	2	423503N0730754.1	1210	JAYKC JOHN	--	D	30	W	22	O	--	T	2	12-54	U	--	--	--	-	-
W	3	423519N0730831.1	941	ADAMS FIRE DIST	1944	W	2	C	42	T	--	UG	12	-44	P	--	--	--	D	-
W	4	423518N0730827.1	928	ADAMS FIRE DIST	1944	W	2	P	101	O	--	UG	0	-44	U	16	--	--	D	-
W	5	423515N0730828.1	929	ADAMS FIRE DIST	1944	W	2	P	41	O	--	UG	1	-44	U	18	--	--	D	-
W	6	423511N0730829.1	930	ADAMS FIRE DIST	1948	-	12	G	103	W	105	R	3	-48	P	1400	17	53	D	M
W	7	423522N0730824.1	929	ADAMS FIRE CIST	1948	-	12	S	88	W	--	R	5	10-49	P	800	50	59	D	P
W	8	423524N0730825.1	938	ADAMS FIRE DIST	1944	W	2	-	73	T	--	UG	8	-44	U	42	--	--	D	-
W	25	423440N0730802.1	1190	A S JAYCC	1950	C	6	X	125	W	--	O	120	--	H	3	--	--	D	-
W	26	423446N0730803.1	1180	JAYKO WALTER	1950	C	6	X	90	W	--	O	30	11-50	H	4	--	--	D	P
W	27	423436N0730810.1	1160	KORDAMA A	1949	C	6	X	100	W	--	O	14	11-49	H	20	8	2	D	-
W	28	423421N0730650.1	1610	JARVIS SAM	1948	C	6	X	45	W	11	O	13	12-48	H	3	--	--	D	-
W	29	423523N0730655.1	1160	SWISTAK J	1948	C	6	X	100	W	92	O	6	12-48	H	2	--	--	D	P
W	30	423452N0730656.1	1425	BRAGDON C L	1948	C	6	X	80	W	8	O	10	10-48	H	4	--	--	D	-
W	31	423535N0730717.1	1150	TOPORSKI L R	1950	C	6	X	228	W	159	ON	80	11-50	H	4	--	--	D	-
W	32	423544N0730852.1	1095	BROWN N	1951	C	6	X	174	W	32	L	20	9-51	H	5	--	--	D	-
W	33	423359N0730846.1	938	BRIGGS WILLIAM	1967	C	8	O	113	W	120	R	5	-67	P	30	--	--	D	C
W	34	423227N0731029.1	990	PIEKOES JOHN	1947	V	4	O	38	W	--	R	--	--	H	3	--	--	-	-
W	35	423134N0731127.1	1000	FIRESIDE INN	1966	R	6	X	110	W	--	D	4	10-70	C	40	--	--	-	C
W	36	423132N0731128.1	1000	FIRESIDE INN	--	-	6	X	80	U	--	D	--	--	U	60	--	--	-	-
W	37	423132N0731122.1	1090	WOURLY	1969	-	6	X	175	W	--	D	--	--	H	--	--	--	-	-
W	38	423206N0731059.1	990	HUTCHINSON CO	1967	R	6	X	182	W	--	D	127	-67	P	50	--	--	-	C
				CLARKSBURG																
B	1	424303N0730422.1	1050	MDPW	1950	W	--	O	5	T	--	CY	0	4-50	U	--	--	--	D	-
B	4	424256N0730451.1	945	MDPW	--	-	--	-	12	T	--	R	--	--	U	--	--	--	D	-
B	5	424404N0730416.1	1045	MDPW	1956	W	--	O	4	T	--	--	--	--	U	--	--	--	D	-
W	1	424338N0730426.1	1070	TANNER R M	--	D	24	O	10	W	--	U	--	--	H	--	--	--	-	P
W	2	424347N0730423.1	1080	STARRATT REV H	1951	C	6	O	205	W	--	Q	5	-51	H	0.8	--	--	D	-
W	3	424247N0730548.1	1080		1950	C	6	-	46	W	--	G	6	-50	H	4	--	--	D	-
W	4	424353N0730454.1	1140	BROSSEAU MARY	1951	C	6	O	78	W	--	BG	12	-51	H	15	--	24	D	-
W	5	424251N0730548.1	1066	BLAIR	1950	C	6	-	114	W	--	G	10	-50	H	12	--	--	D	-
W	6	424358N0730423.1	1092	BLAIR HENRY	1950	C	6	-	58	W	--	T	20	8-50	H	1	--	--	D	-
W	7	424308N0730617.1	1070	CLARKSBURG TOWN	1952	C	6	O	525	W	--	--	63	4-52	T	12	--	--	D	-

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LOCATION	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ DRILLED	METHOD DRILLED	WELL: DIAMETER (IN)	WELL: FINISH	WELL: DEPTH (FT)	WELL: USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER: LEVEL (FT)	WATER: DATE MEASURED	WATER: USE	PUMPAGE: YIELD (GAL/MIN)	PUMPAGE: DD (FT)	PUMPAGE: TIME (HR)	LOG	QW
CLARKSBURG --CONTINUED																			
W 8	424308N0730617.2	1070	CLARKSBURG TCWN	--	C	8	S	43	T	--	R	--	--	U	3	--	--	D	-
W 12	424301N0730427.1	1095		--	D	36	W	8	O	--	T	1	4-68	U	--	--	--	-	-
W 19	424403N0730435.1	1120	CLARK ST PARK	--	-	6	X	546	W	--	D	45	-62	R	20	--	--	-	C
W 20	424304N0730422.1	1005	DAWSON JAMES	1970	-	--	X	100	W	--	O	F	--	H	8	--	--	-	-
W 21	424315N0730540.1	1045	OAKS GORDCN	--	D	--	W	14	W	--	--	--	--	H	--	--	--	-	P
HANCOCK																			
B 8	423539N0731738.1	1271	MDPW	1962	W	--	C	5	T	--	UR	2	2-62	U	--	--	--	D	-
W 5	423636N0731720.1	1202	NO HANCOCK SCH	1935	D	--	-	35	T	--	--	--	--	U	--	--	--	D	-
W 8	423752N0731647.2	1062	OSTRANDER L	1950	C	6	-	122	W	--	G	20	-50	H	15	--	--	D	-
W 12	423752N0731647.1	1062	OSTRANDER L	--	D	36	W	16	O	--	T	9	3-68	U	--	--	--	-	-
W 13	423744N0731648.1	1055	WILLIAMS ARTHER	1957	C	6	O	95	W	--	UR	30	--	H	--	--	--	-	-
W 14	423737N0731648.1	1055	WILLIAMS ARTHER	1946	C	4	X	157	W	130	L	50	--	H	--	--	--	-	C
W 15	423730N0731655.1	1115	MCDONALD CHARL	1965	C	6	S	95	W	--	G	8	7-65	H	5	--	--	-	-
LANESBORCUGH																			
W 1	423048N0731059.1	1226	PARKER ALBERT M	1950	C	6	X	178	W	--	N	150	4-50	H	--	--	--	D	-
W 5	423036N0731147.1	1000	DAVID ELIZABETH	--	C	6	X	100	W	--	D	--	--	U	--	--	--	-	P
NEW ASHFORD																			
B 2	423654N0731354.1	1131	MDPW	1950	-	--	C	13	T	--	BR	4	12-50	U	--	--	--	D	-
B 5	423615N0731420.1	1257	MDPW	1950	-	--	O	43	T	--	6R	9	12-50	U	--	--	--	D	-
B 6	423731N0731352.1	1054	MDPW	1950	-	--	O	14	T	--	UR	2	12-50	U	--	--	--	D	-
B 13	423742N0731333.1	1017	MDPW	1954	-	--	O	32	T	--	UR	7	3-54	U	--	--	--	D	-
W 1	423632N0731450.1	1520	FRYE HOWARD	1950	R	6	X	172	W	--	O	15	-50	H	0.5	--	--	D	-
W 2	423615N0731428.1	1280	PUBLIC SCHOOL	1951	-	6	O	28	W	--	G	10	-51	T	3	--	--	D	-
W 3	423554N0731436.1	1295	RYAN JOHN	1954	C	6	X	75	W	30	O	5	-54	H	40	--	--	-	C
W 4	423535N0731450.1	1390	GROSSO EDWARD	1965	C	6	X	300	W	--	--	--	--	C	12	--	--	-	-
W 5	423535N0731449.1	1385	GROSSO EDWARD	1948	C	8	X	140	W	--	--	--	--	C	12	--	--	-	-
W 6	423530N0731450.1	1390	GROSSO EDWARC	1942	V	2	-	10	W	--	U	--	--	C	--	--	--	-	-
W 7	423627N0731406.1	1245	VANCOTT MORT	1965	C	6	X	325	W	--	O	--	--	C	6	--	--	-	-
W 8	423612N0731425.1	1275	GIGLIOTTI	1967	-	6	X	78	W	--	--	20	10-67	C	50	--	--	-	-
NORTH ADAMS																			
B 1	424159N0730654.1	618	MDPW	1933	-	--	-	26	T	--	US	6	10-33	U	--	--	--	D	-
B 4	424158N0730903.1	629	MDPW	--	-	--	O	124	T	--	6S	6	--	U	--	--	--	D	-
B 5	424202N0730901.1	651	MDPW	--	W	3	O	47	T	--	6S	13	--	U	--	--	--	D	-
B 14	424209N0730528.1	843	MDPW	1953	-	--	-	12	T	--	--	--	--	U	--	--	--	D	-
B 16	424154N0730855.1	625	MDPW	--	W	--	O	64	T	--	--	--	--	U	--	--	--	D	-
B 17	424153N0730820.1	645	MDPW	1933	-	--	C	102	T	--	--	--	--	U	--	--	--	D	-
B 19	423955N0730616.1	713	MDPW	1965	W	--	O	40	T	--	6S	6	7-65	U	--	--	--	D	-
B 24	424203N0730920.1	628	MDPW	1957	-	--	O	35	T	--	6R	8	2-57	U	--	--	--	D	-
B 25	424155N0730813.1	655	MDPW	1933	-	--	O	60	T	--	--	--	--	U	--	--	--	D	-
B 26	424035N0730553.1	735	MDPW	1953	-	--	O	30	T	--	UR	7	9-53	U	--	--	--	D	-
B 28	424203N0731014.1	625	MDPW	1935	-	--	C	79	T	--	--	--	--	U	--	--	--	D	-
B 29	424205N0730908.1	665	MDPW	1938	W	--	O	54	T	--	UR	--	--	U	--	--	--	D	-
B 39	424201N0730652.1	701	MDPW	1956	W	1	O	27	T	--	UR	14	11-56	U	--	--	--	D	-
B 40	424143N0730810.1	710	MDPW	1960	-	--	O	23	T	--	--	9	3-60	U	--	--	--	D	-
W 1	424148N0730659.1	820	FOSSELMAN RUS S	1950	C	6	X	130	W	--	D	--	--	H	4	--	--	D	-
W 2	424147N0730347.1	2020	GIRGENTI CARMEL	1949	C	6	X	95	W	--	O	4	9-49	C	3	--	--	D	-
W 3	424131N0730454.1	1244	RAINBOW CABINS	1949	C	6	X	152	W	--	O	48	6-49	C	3	--	--	D	-
W 4	424212N0730901.1	620	CORNISH WIRE CO	--	C	6	X	286	W	--	N	F	9-23	N	70	--	--	-	P
W 5	424134N0730631.1	720	NORTH ADAMS	1884	-	8	X	625	U	--	D	F	6-05	P	278	--	--	D	P
W 6	424134N0730631.2	720	NORTH ADAMS	1884	-	8	X	625	U	--	D	F	6-05	P	278	--	--	-	-
W 9	424226N0730638.1	855	NO ADAMS HOSP	--	P	8	X	160	W	--	SD	--	--	T	70	70	--	D	P
W 10	424000N0730628.1	725	A W DAIRY BAR	--	-	--	-	115	W	--	--	--	--	C	--	--	--	-	P
W 55	424216N0730709.1	600	SPRAGUE ELEC CO	1948	-	12	S	96	W	--	G	7	7-48	N	700	12	--	-	P
W 56	424036N0730605.1	720	SPRAGUE ELEC CO	1951	-	12	S	110	W	--	G	4	4-51	N	2500	6	--	D	C
W 58	424033N0730547.1	760	SPRAGUE ELEC CO	1950	-	--	-	47	T	--	--	--	--	U	--	--	--	D	-
W 59	424035N0730548.1	740	SPRAGUE ELEC CO	1950	-	--	X	58	T	--	--	--	--	U	--	--	--	D	-
W 60	424206N0730653.2	690	SPRAGUE ELEC CO	1950	-	8	S	28	T	--	R	--	--	U	5	--	--	D	-
W 64	424206N0730653.1	690	SPRAGUE ELEC CO	1896	C	6	P	627	U	--	QN	19	-35	N	550	31	--	D	P
W 67	424213N0731004.1	620	WIDEN TANNING C	--	-	4	S	30	W	--	US	--	--	N	250	--	--	-	-
W 68	424149N0730917.1	630	NORTH ADAMS	1953	C	12	S	190	W	--	G	5	10-53	P	925	18	25	D	C
W 69	424152N0730921.1	630	NORTH ADAMS	1953	-	8	S	161	O	--	G	2	11-53	U	350	12	24	D	-
W 70	424127N0730920.1	630	NORTH ADAMS	1953	C	8	O	134	T	--	--	--	--	P	--	--	--	D	-
W 71	424153N0730916.1	630	NORTH ADAMS	1953	C	8	S	195	W	--	UG	5	11-53	P	325	10	--	D	-
W 72	423955N0730631.1	740	NORTH ADAMS	1966	-	18	G	90	W	107	UR	22	6-66	P	1250	14	48	D	C

TABLE 1.--DESCRIPTION OF SELECTED WELLS, TEST WELLS, AND BORINGS -- CONTINUED

LOCAL WELL NUMBER	LOCATION	ALTITUDE OF LSD (FT)	OWNER OR USER	YEAR/ DRILLED	METHOD	WELL DIAMETER (IN)	WELL FINISH	WELL DEPTH (FT)	WELL USE	FEET TO BEDROCK	WATER-BEARING MATERIAL	WATER LEVEL (FT)	WATER DATE MEASURED	WATER USE	PUMPAGE YIELD (GAL/MIN)	PUMPAGE DD (FT)	PUMPAGE TIME (HR)	LOG	QW
								WILLIAMSTOWN											
B 3	424345N0731218.1	615	MDPW	--	W	2	C	135	T	--	FG	--	--	U	--	--	--	D	-
B 4	424338N0731217.1	585	MDPW	--	W	2	O	119	T	--	--	--	--	U	--	--	--	D	-
B 5	424243N0731258.1	664	MDPW	--	V	2	O	6	T	--	UR	--	--	U	--	--	--	D	-
B 8	424058N0731217.1	720	MDPW	1949	-	--	O	41	T	--	6R	--	--	U	--	--	--	D	-
B 15	424235N0731143.1	608	MDPW	--	V	--	O	38	T	--	2S	--	--	U	--	--	--	D	-
W 1	423821N0731344.1	950	WHITE FOREST JR	1950	C	6	X	42	W	--	D	5	7-50	H	15	--	--	D	-
W 2	423932N0731451.1	897	LOVE MARTIN	1950	C	6	-	86	W	--	UR	12	6-50	H	6	--	--	D	-
W 3	423940N0731441.1	887	WESTCOTT SAMUEL	1950	C	6	X	68	W	--	L	8	11-50	H	4	--	--	D	-
W 34	424224N0731159.1	650	CORNISH WIRE CO	1947	C	6	X	500	W	15	L	F	--	N	80	--	--	-	C
W 35	424225N0731201.1	650	CORNISH WIRE CO	1947	C	6	X	400	W	--	L	28	-47	N	30	--	--	-	-
W 36	424305N0731124.1	600	ANKEN INDUSTRY	1941	C	10	X	370	U	300	OL	+15	--	U	660	--	--	D	C
W 37	424304N0731125.2	600	ANKEN INDUSTRY	--	C	--	-	105	U	--	UR	F	--	N	30	--	--	-	-
W 50	424114N0731349.1	840	QUADLAND N W	1953	C	8	S	244	W	245	UG	30	-53	C	50	--	--	D	C
W 52	424309N0731133.1	598	WILLIAMSTOWN	1963	-	12	G	128	W	--	UR	+34	10-61	P	330	69	192	D	P
W 53	424309N0731135.1	598	WILLIAMSTOWN	1963	C	18	S	120	W	180	UR	F	5-63	P	700	--	--	D	M
W 54	424043N0731425.1	865	HICKEY MRS	--	C	6	X	242	W	--	D	--	--	H	30	--	--	-	P
W 55	424349N0731116.1	875	TURGEON EDWARD	--	D	--	W	18	-	--	U	--	--	-	--	--	--	-	P
W 56	424405N0731148.1	715	NOYES RICHARD	--	D	--	W	8	W	--	U	--	--	H	--	--	--	-	P
W 57	424136N0731337.1	795	REDER HAROLD	--	D	--	W	15	W	--	--	--	--	T	--	--	--	-	-
W 58	424133N0731330.1	845	REDER HAROLD	--	D	--	W	15	W	--	UR	--	--	H	15	--	--	-	-
W 59	424154N0731333.1	765	BRATTON WILLIAM	1963	-	6	O	65	W	70	R	+30	10-69	H	150	--	--	-	C
W 60	423933N0731433.1	865	ARMACOST R	1965	-	--	X	50	W	--	L	F	-65	H	17	--	--	-	-
W 62	424350N0731117.1	870	TURGEON EDWARD	1964	C	6	X	300	W	90	OL	240	-64	P	45	--	36	D	C
W 63	424214N0731214.1	665	GEO RUDNICK INC	1958	C	6	X	85	W	--	L	16	-58	C	50	--	--	-	P
W 64	423844N0731410.1	935	ELDRIDGE BERT	1966	-	6	X	240	W	--	L	F	10-69	H	--	--	--	-	C
W 65	424040N0731229.1	850		--	-	--	X	378	-	--	D	--	--	-	--	--	--	D	-
W 66	424037N0731222.1	853		--	-	--	-	363	-	--	S	--	--	-	--	--	--	D	-
W 68	424224N0731200.2	650	CORNISH WIRE CO	--	D	--	-	15	-	--	U	--	--	N	--	--	--	-	P
W 69	424050N0731415.1	920		--	-	--	-	280	-	--	U	--	--	-	--	--	--	D	-
W 70	424202N0731246.1	740		--	-	--	X	340	-	--	N	--	--	-	--	--	--	D	-
W 71	424053N0731343.1	1025		--	-	--	X	252	-	--	D	--	--	-	--	--	--	D	-
W 72	424054N0731435.1	920		--	-	--	X	120	-	--	D	--	--	-	--	--	--	D	-
W 73	424048N0731422.1	935		--	-	--	X	90	W	--	D	--	--	H	--	--	--	D	-
W 74	424052N0731335.1	1005		--	-	--	X	110	-	--	D	--	--	-	--	--	--	-	-
W 75	424037N0731403.1	935		--	-	--	X	191	-	--	D	--	--	-	--	--	--	D	-
W 76	424028N0731226.1	800		--	-	--	-	60	-	--	R	--	--	-	--	--	--	D	-
W 77	424416N0731042.1	1090		--	-	--	X	223	-	--	L	--	--	-	--	--	--	D	-
W 78	424104N0731428.1	925		--	-	--	X	355	-	--	D	--	--	-	--	--	--	D	-
W 79	424049N0731429.1	915		--	-	--	X	330	-	--	D	--	--	-	--	--	--	D	-
W 80	424136N0731439.1	985		--	-	--	X	500	-	--	D	--	--	-	--	--	--	D	-
W 81	424231N0731327.1	810		--	-	--	X	97	-	--	--	--	--	-	--	--	--	D	-
W 82	424053N0731416.1	920		--	-	--	X	212	-	--	D	--	--	-	--	--	--	D	-
W 83	424043N0731419.1	910		--	-	--	-	128	-	--	R	--	--	-	--	--	--	D	-
W 84	424010N0731424.1	940		--	-	--	X	380	W	--	D	--	--	H	--	--	--	D	-
W 85	424021N0731430.1	960	GREYLOCK REG SC	--	-	--	X	180	W	--	D	--	--	T	--	--	--	D	-
W 86	424040N0731333.1	825		--	-	--	X	91	W	--	D	--	--	H	--	--	--	D	-
W 87	424034N0731348.1	825		--	-	--	X	55	W	--	U	--	--	H	--	--	--	D	-
W 88	424105N0731354.1	845		--	-	--	-	119	W	--	G	--	--	H	--	--	--	D	-
W 89	424030N0731228.1	780		--	-	--	-	43	-	--	S	--	--	-	--	--	--	-	-
W 90	424111N0731350.1	845		--	-	--	-	110	W	--	G	--	--	C	--	--	--	D	-
W 91	424106N0731421.1	930		--	-	--	X	97	W	--	SD	--	--	H	--	--	--	D	-
W 92	424111N0731423.1	944		--	-	--	X	106	W	--	SD	--	--	H	--	--	--	D	-
W 93	424054N0731402.1	890		--	-	--	-	125	W	--	G	--	--	H	--	--	--	D	-
W 94	424106N0731440.1	1025		--	-	--	-	77	W	--	--	--	--	H	--	--	--	D	-
W 95	424121N0731455.1	1060		--	-	--	-	142	W	--	--	--	--	H	--	--	--	D	-
W 96	424105N0731413.1	925		--	-	--	-	196	W	--	G	--	--	H	--	--	--	D	-
W 97	424304N0731123.1	600	ANKEN INDUSTRY	1951	C	8	S	150	W	--	R	--	--	N	500	--	--	-	M
W 98	424417N0731252.1	592	BERK SCIENTIFIC	--	-	6	S	80	W	--	R	--	--	H	--	--	--	-	C

Table 2.--Logs of selected wells and borings
(Depths are given in feet below land surface.)

	Depth
ADAMS B1.	
Sand, gravel and boulder fill	0 - 6
Coarse sand and gravel, gray	6 - 9
Sand and gravel, loose	9 - 10
Coarse sand and gravel, yellow	10 - 15
Medium sand, yellow	15 - 20
Sand, gravel and mica, yellow, hard	20 - 22
Refusal	at 22
ADAMS B2.	
Fine sand	0 - 2.5
Sand and gravel, some clay, compact	2.5 - 10.5
Rock obstruction	at 10.5
ADAMS B5.	
Sand and gravel	0 - 10
Sand and gravel, compact	10 - 27
ADAMS B10.	
Sand and gravel	0 - 38
Rock obstruction	at 38
ADAMS B11.	
Sand and gravel, loose	0 - 22.5
Fine sand, hard packed	22.5 - 30
Ledge or rock	at 30
ADAMS B19.	
Gravel	0 - 8
Clay, stiff	8 - 49
Sand, fine	49 - 87
ADAMS W98.	
Clay and sand, yellow	0 -105
Gravel, light gray	105 -108
ADAMS W99.	
Clay, yellow, and small boulders	0 - 48
Gravel	48 - 51
ADAMS W100.	
Hardpan and boulders	0 - 66
Quartzite	66 -113
Pure quartz, very hard	113 -115
Quartzite	115 -133
All water from bottom.	
ADAMS W102.	
Topsoil	0 - 2
Sand, stones, and boulders	2 - 14
Clay, blue	14 - 38
Clay, yellow	38 - 55
Medium to coarse sand	55 - 65
Fine and coarse gravel	65 - 87
Fine sand	87 - 91
ADAMS W115.	
Very fine silt	0 - 45
Fine silt	45 - 90
Sand and gravel; some silt; pebbles 1/8 inch to 1 inch in diameter	90 - 95
Medium sand, clean	95 -110
Medium sand; some fine silt, medium to dark gray	110 -140
Medium to coarse sand and fine gravel; 3/4 inch pebbles, clean	140 -155
Fine sand	155 -158
Hardpan	at 158
ADAMS W142.	
Lime fill	0 - 12
Clay hardpan, gray	12 - 18
Silty clay; some stones, gray	18 - 30
Silty clay, gray	30 - 62
Silty clay, brown	62 - 76
Clay hardpan, brown	76 - 81
Fine sand, brown; silt and clay binder	81 -125
Sand and gravel, cemented, dense	125 -130
Sand and silt, dense, brown	130 -182
Rock	at 182
ADAMS W144.	
Fill	0 - 10
Clay, hardpan and boulders, brown	10 - 24
Limestone	24 - 30
ADAMS W145.	
Clay, sand and boulders, brown	0 - 9
Clay, brown	9 - 22
Clay, gray	22 - 39
Clay, hardpan, gray	39 - 46
Limestone	46 - 48
ADAMS W146.	
Cinders and fill	0 - 8
Sand, brown; boulders; clay binder	8 - 22
Silty clay, gray	22 - 40
Fine sand, brown; clay binder; some water movement	40 -150
ADAMS W147.	
Lime fill, white	0 - 14
Clay and stones, plastic, gray	14 - 26
Sand and gravel	26 - 28
Silty clay, gray	28 - 63
Gravel, hard packed, stands open	63 - 71
Fine sand, brown; clay binder	71 -159
Sand and gravel, brown and gray lenses of clay (water bearing)	159 -196
Fine sand and silt, dense	196 -204
Refusal	at 204
CHESHIRE B1.	
Coarse sand and gravel	0 - 2
Fine sand and clay, yellow	2 - 12
Clay, blue	12 - 47
Medium sand	47 - 48
Clay, blue	48 - 60
Clay, hard, blue	at 60
CHESHIRE B13.	
Fine and coarse sand and gravel; scattered boulders	0 - 3
Mica schist, gray	3 - 11
CHESHIRE B17.	
Loam and sand	0 - 3
Fine sand; trace of gravel; medium yellow	3 - 9
Fine sand; trace of gravel; medium brown	9 - 14
Medium sand, medium brown	14 - 18.5
Silt; some fine sand; trace of clay; loose; brown	18.5 - 23.5
Fine sand; trace of silt; medium brown	23.5 - 30.5
Silt; some clay; trace of fine sand; loose; brown	30.5 - 35.5
Silt; some fine sand; trace of clay; wet; loose; brown; non-plastic	35.5 - 38.5
Silt; some fine sand; wet; hard; brown	38.5 - 50.5
CHESHIRE W4.	
Gravel and boulders	0 - 15
Sand and gravel	15 - 27
Sand and coarse gravel	27 - 41
Sand and gravel, compact	41 - 67
Hardpan	67 -101
CHESHIRE W6.	
Topsoil	0 - 2.5
Coarse sand	2.5 - 15
Fine sand	15 - 25
Fine gravel	25 - 30
Coarse sand and little fine sand	30 - 35
Coarse gravel	35 - 44
Sand, silty	44 - 50
Medium gravel	50 - 58
Coarse sand, clean	58 - 62
Sand and gravel	62 - 74
Fine sand, clean	74 - 82
Medium sand and coarse gravel	82 - 87
Medium to coarse gravel	87 - 94
Coarse sand and fine gravel, clean	94 -105
CHESHIRE W7.	
Fill	0 - 3
Peat and mud	3 - 8
Clay, brown	8 - 15
Clay, hardpan and boulders	15 - 25
Fine sand and gravel, muddy	25 - 40
Fine sand, muddy	40 - 63
Hardpan and fine gravel	63 - 65
Sand and gravel	65 - 85
Fine sand	85 - 90
Sand and little fine gravel, muddy	90 -130
CHESHIRE W26.	
Till	0 - 17
Shale, gray	17 - 90
CHESHIRE W31.	
Hardpan and boulders	0 - 60
Sand; gravel; yellow clay	60 -100
Hardpan and boulders	100 -159
Limestone, white	159 -179
Sandstone, brown (caving)	179 -228
CHESHIRE W32.	
Soil and gravel	0 - 32
Limestone	32 -174
CHESHIRE W33.	
Clay	0 - 90
Sand and gravel	90 -120
CLARKSBURG B1.	
Shells and silt, loose	0 - 1.5
Clay; sand; gravel; rock; very compact	1.5 - 5
Rock obstruction	at 5
CLARKSBURG B4.	
Sand and gravel	0 - 8.5
Sand	8.5 - 14
Rock or boulder	at 14
CLARKSBURG B5.	
Fine sand; some silt and gravel; compact	0 - 4
Refusal	at 4
CLARKSBURG W2.	
Silt	0 -205
CLARKSBURG W3.	
Clay, gray	0 - 30
Gravel, yellow	30 - 46
CLARKSBURG W4.	
Gravel and boulders mixed (water at bottom)	0 - 78
CLARKSBURG W5.	
Clay	0 -100
Gravel (water near bottom)	100 -114
CLARKSBURG W6.	
Hardpan and boulders	0 - 58
CLARKSBURG W8.	
Sand	0 - 5
Clay	5 - 30
Fine sand	30 - 35
Gravel	35 - 43
Till	at 43
HANCOCK B1.	
Fill, mixed	0 - 2
Fine sand, gray-brown; some gravel and silt	2 - 7
Fine and coarse sand, gray-brown; some gravel and silt; trace of graphite	7 - 17
HANCOCK B4.	
Fine sand; some coarse sand, gray	0 - 2.5
Coarse sand, gray-brown; some gravel; trace of fine sand and silt	2.5 - 6.5
Fine and coarse sand, gray-brown; some gravel	6.5 - 10
HANCOCK B5.	
Fine sand, gray-brown	0 - 1
Fine and coarse gravel, brown; some silt	1 - 4
Fine sand, gray; some fine gravel and graphite	4 - 10
Sand and gravel, gray	10 - 13
HANCOCK B7.	
Sand; gravel; clay	0 - 17
Fine sand; clay; little gravel	17 - 23
Fine sand; clay; little gravel; compact	23 - 31
HANCOCK W5.	
Clay and hardpan	0 - 35
HANCOCK W6.	
Hardpan and boulders	0 - 53
Gravel	53 - 55
HANCOCK W7.	
Fine gravel, gray	0 - 67
Fine gravel	67 -115
Bedrock	at 115
HANCOCK W8.	
Clay	0 -112
Gravel	112 -122
HANCOCK W11.	
Hardpan	0 - 41
Schist	41 -225

Table 2.--Logs of selected wells and borings (Continued)

	Depth
LANESBOROUGH B15.	
Fine sand; little silt and medium fine gravel; dark gray-brown...	0 - 2
Silt; trace of very fine sand; gray-brown....................	2 - 15
Very fine sand; little silt; gray brown.....................	15 - 18
Fine-medium sand; little fine gravel; trace of silt..........	18 - 23
Silt, gray-brown; trace of very fine sand.....................	23 - 30
Fine sand; some silt and medium-coarse gravel.................	30 - 33
Silt; some very fine sand; schist fragments..............	33 - 35
LANESBOROUGH W1.	
Hardpan, no boulders............	0 - 57
Cheshire quartzite..............	57 -178
NEW ASHFORD B2.	
Sand; gravel; clay..............	0 - 4
Sand; gravel and boulders, firm..	4 - 11
Sand; gravel and boulders, cemented......................	11 - 13.5
Refusal.........................	at 13.5
NEW ASHFORD B5.	
Sand; gravel and boulder fill....	0 - 3.5
Sand; gravel and little clay, firm..........................	3.5 - 8.5
Fine sand and little clay, firm..	8.5 - 20
Fine sand, firm, gray...........	20 - 40.5
Coarse sand and gravel, hard.....	40.5 - 43.5
Refusal.........................	at 43.5
NEW ASHFORD B6.	
Loam and gravel fill............	0 - 4.7
Coarse sand, firm...............	4.7 - 6.7
Gravel and boulders.............	6.7 - 8.2
Sand; little gravel and clay, firm..........................	8.2 - 11.7
Sand and gravel, hard, cemented..	11.7 - 14.2
Refusal (bedrock)...............	at 14.2
NEW ASHFORD B13.	
Loam............................	0 - 1.7
Sand and gravel.................	1.7 - 6
Sand; gravel; little clay, loose.	6 - 9
Very fine sand and clay.........	9 - 14
Clay and very fine sand.........	14 - 26.2
Sand; gravel; some clay.........	26.2 - 29.5
Sand; gravel and some clay, very compact.......................	29.5 - 31.7
Rock obstruction................	at 31.7
NORTH ADAMS B1.	
Gravel, dirty...................	0 - 8
Quicksand.......................	8 - 26
NORTH ADAMS B4.	
Sand and gravel, hard...........	0 - 14
Sand and little clay, soft......	14 - 50
Sand and little clay............	50 - 76
Fine sand and little clay, hard, compact.......................	76 -124
Bedrock or boulder, refusal.....	at 124
NORTH ADAMS B5.	
Sand, gravel and cinder fill.....	0 - 2
Sand and gravel, hard...........	2 - 20
Fine sand and little clay, hard..	20 - 43
Sand and gravel, firm...........	43 - 44
Sand, gravel and boulders, hard..	44 - 47
Refusal.........................	at 47
NORTH ADAMS B14.	
Fill............................	0 - 6
Fine sand and mica..............	6 - 10
Mica schist, disintegrated.......	10 - 11.5
NORTH ADAMS B16.	
Fine gravel.....................	0 - 9
Clay, soft, blue................	9 - 14
Fine sand and blue clay.........	14 - 64
NORTH ADAMS B17.	
Very coarse gravel and stones....	0 - 16
Clay, stiff.....................	16 - 34
Clay, soft......................	34 - 88
Not reported (back pressure present)......................	88 -102
NORTH ADAMS B19.	
Sand; some silt, very loose, brown.........................	0 - 7
Fine sand; silt and trace of clay..........................	7 - 16
Fine sand and silt, very compact, gray..........................	16 - 24
Fine sand and trace of clay, very compact, gray............	24 - 40
NORTH ADAMS B24.	
Sand; gravel and boulders, loose........................	0 - 12
Fine sand and clay, yellow......	12 - 20
Coarse sand; gravel; boulders and little clay, yellow.......	20 - 31.5
Sand; gravel; boulders and clay.	31.5 - 34.5
Refusal........................	at 34.5
NORTH ADAMS B25.	
Dirt and stones.................	0 - 4
Clay, heavy.....................	4 - 39
Quicksand.......................	39 - 60
NORTH ADAMS B26.	
Sand, loamy.....................	0 - 3.5
Coarse sand and gravel, firm....	3.5 - 10
Coarse sand and gravel..........	10 - 24.5
Coarse sand and gravel, firm....	24.5 - 26.5
Fine sand, compact.............	26.5 - 30
NORTH ADAMS B28.	
Clay and some gravel............	0 - 7
Fine clay and fine sand.........	7 - 79
NORTH ADAMS B29.	
Sand and gravel.................	0 - 9
Sand and coarse gravel..........	9 - 25
Clay and very fine sand.........	25 - 45
Sand; gravel; trace of clay; compact......................	45 - 54
NORTH ADAMS B39.	
Sand and cinder fill............	0 - 7
Medium sand; gravel; stones; very hard.....................	7 - 13.5
Medium sand; gravel; stones; firm..........................	13.5 - 27
Bedrock or boulder..............	at 27
NORTH ADAMS B40.	
Fine sand and loam..............	0 - 1
Fine sand and little silt.......	1 - 4
Medium sand; little gravel and silt; trace of clay...........	4 - 16
Silt, clayey....................	16 - 20
Silt; some clay and little fine sand, gray....................	20 - 23
Refusal.........................	at 23
NORTH ADAMS W3.	
Till and boulders...............	0 -115
Schist, micaceous, black, soft..	115 -152
NORTH ADAMS W4.	
Overburden......................	0 - 60
Bedrock.........................	60 -160
Sand............................	160 -163
Bedrock.........................	163 -213
Sand............................	213 -215
Bedrock, rotten.................	215 -286
NORTH ADAMS W5.	
Gravel..........................	0 -400
Bedrock, seamy, porous, water-bearing.......................	400 -500
Bedrock, solid..................	500 -550
NORTH ADAMS W9.	
Boulders and clay...............	0 - 18
Sand and clay...................	18 - 43
Sand, loose.....................	43 - 48
Boulder or bedrock..............	48 - 51
Sand and clay...................	51 - 54
Quartzite.......................	54 -115
Weathered rock..................	115 -118
Quartzite (with crevices).......	118 -160
NORTH ADAMS W55.	
Sand and gravel.................	0 - 96
NORTH ADAMS W56.	
Sand and clay...................	0 - 10
Gravel..........................	10 -110
Fine sand and clay..............	110 -128
Bedrock.........................	at 128
NORTH ADAMS W58.	
Gravel and boulders.............	0 - 8
Fine clay, sandy................	8 - 41
Hardpan.........................	41 - 43
Shale, brown....................	43 - 47
NORTH ADAMS W59.	
Gravel and boulders.............	0 - 15
Very fine sand and clay.........	15 - 38
Hardpan.........................	38 - 46
Limestone.......................	46 - 58
NORTH ADAMS W60.	
Gravel and rock fill............	0 - 10
Sand and clay...................	10 - 25
Coarse sand.....................	25 - 28
Limestone gravel................	28 - 33
NORTH ADAMS W64.	
Gravel..........................	0 - 18
Mica schist (water from yellow sandstone).....................	18 -610
Not reported....................	610 -627
NORTH ADAMS W68.	
Clay, gray......................	0 -150
Hardpan.........................	150 -155
Gravel (water-bearing)..........	155 -190
NORTH ADAMS W69.	
Clay and gravel.................	0 - 5
Clay, gray......................	5 -125
Clay, brown.....................	125 -140
Fine gravel.....................	140 -153
Hardpan.........................	153 -155
Ledge...........................	155 -161
NORTH ADAMS W70.	
Coarse gravel...................	0 - 10
Clay, gray......................	10 -103
Hardpan, gravelly...............	103 -131
Ledge...........................	at 131
NORTH ADAMS W71.	
Clay, yellow....................	0 - 20
Clay, gray......................	20 -105
Clay, sandy.....................	105 -135
Clay, brown.....................	135 -155
Hardpan.........................	155 -165
Gravel..........................	165 -190
Hardpan.........................	190 -195
Ledge...........................	at 195
NORTH ADAMS W72.	
Sand and gravel, hard-packed....	0 - 10
Gravel, hard-packed.............	10 - 25
Coarse stones and gravel........	25 - 40
Coarse stones...................	40 - 50
Coarse gravel and stones........	50 - 60
Medium gravel and sand..........	60 - 66
Sand and gravel, hard-packed....	66 - 71
Coarse gravel and boulders......	71 - 75
Coarse gravel, hard-packed......	75 - 90
Silt; clay; gravel (till).......	90 -107
Bedrock.........................	at 107
WILLIAMSTOWN B3.	
Coarse gravel...................	0 - 3
Clay and some silt..............	3 - 65
Fine sand and clay..............	65 -135
Hardpan or hard gravel (artesian pressure)...........	at 135
WILLIAMSTOWN B4.	
Coarse gravel...................	0 - 16
Clay............................	16 - 55
Sand and clay (back pressure at depth of 109 feet).........	55 -119
WILLIAMSTOWN B5.	
Mud and sand, soft..............	0 - 2
Gravel..........................	2 - 6
Refusal.........................	at 6
WILLIAMSTOWN B8.	
Sand; gravel; clay; compact.....	0 - 8
Sand; clay; some gravel; compact	8 - 15
Clay, medium hard...............	15 - 23
Clay; sand; gravel; rocks.......	23 - 34
Clay, hard......................	34 - 41
WILLIAMSTOWN B15.	
Fine gravel.....................	0 - 13
Clay............................	13 - 28
Fine sand.......................	28 - 38
WILLIAMSTOWN W1.	
Topsoil and gravel..............	0 - 8
Schist..........................	8 - 24
WILLIAMSTOWN W2.	
Topsoil.........................	0 - 2
Gravel..........................	2 - 17
Clay, gray......................	17 - 67
Gravel..........................	67 - 86
WILLIAMSTOWN W3.	
Topsoil.........................	0 - 6
Limestone (all water at 57 ft.).	6 - 68
WILLIAMSTOWN W36.	
Unconsolidated material.........	0 -300
Limestone (6-inch cavities at 340 ft. and 360 ft.)..........	300 -360

Table 2.--Logs of selected wells and borings (Continued)

	Depth	
WILLIAMSTOWN W50.		
Gravel	0	- 5
Clay, blue	5	- 98
Silt, yellow	98	-108
Clay, red	108	-230
Gravel, angular, quartz	230	-244
WILLIAMSTOWN W52.		
Silt; clay; sand	0	- 40
Clay, gray	40	- 45
Silt; clay; few stones	45	- 55
Sand, silty	55	- 60
Sand; fine gravel	60	- 70
Fine sand	70	- 75
Sand; some gravel	75	- 85
Medium sand	85	- 95
Coarse sand; some fine gravel	95	-112
Fine sand	112	-116
Sand and gravel	116	-128
WILLIAMSTOWN W53.		
Fill	0	- 2
Mud	2	- 3
Medium to coarse sand	3	- 20
Clay, firm	20	- 35
Medium to coarse gravel	35	- 45
Medium sand	45	- 90
WILLIAMSTOWN W53. (Continued)		
Medium to coarse sand	90	-100
Coarse sand and fine gravel	100	-105
Medium to coarse gravel	105	-110
Coarse sand and fine gravel	110	-115
Fine to medium sand	115	-120
Fine gravel, sharp	120	-125
WILLIAMSTOWN W54.		
Unconsolidated material	0	- 35
Dolomite	35	-180
WILLIAMSTOWN W59.		
Clay	0	- 55
Gravel	55	- 65
WILLIAMSTOWN W62.		
Clay, blue	0	- 90
Limestone (cavities)	90	-300
WILLIAMSTOWN W71.		
Till	0	- 5
Dolomite	5	-252
WILLIAMSTOWN W75.		
Clay, silty, yellow	0	-101
Dolomite, gray	101	-191
WILLIAMSTOWN W88.		
Clay with gravel at bottom	0	-119
WILLIAMSTOWN W90.		
Clay, silty, yellow with fine sand lenses	0	-110
Gravel, clean		at 110
WILLIAMSTOWN W91.		
Overburden	0	- 70
Phyllite, soft, black	70	- 97
WILLIAMSTOWN W93.		
Silt and clay, gray	0	-125
Gravel		at 125
WILLIAMSTOWN W94.		
Clay	0	- 77
WILLIAMSTOWN W95.		
Silt, yellow	0	-101
Silt, bright orange	101	-130
Silt, brown	130	-142
WILLIAMSTOWN W96.		
Gravel	0	-196

TABLE 3. CHEMICAL ANALYSES OF GROUND WATER

SOURCE OF DATA: 1, U.S. GEOLOGICAL SURVEY; 2, U.S. PUBLIC HEALTH SERVICE; 3, STATE HEALTH DEPARTMENT; 4, STATE (OTHER THAN HEALTH DEPARTMENT); 5, INDUSTRIAL; 6, PRIVATE; 7, EDUCATIONAL; AND 8, OTHER.

LOCAL WELL NUMBER	DATE OF SAMPLE	TEMPERATURE (C)	SILICA (SIO2) (MG/L)	IRON (FE) (UG/L)	MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (CALC)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	COLOR	SOURCE OF DATA
ADAMS																								
W 97	03-11-35	--	--	200	--	--	--	--	--	191	--	--	5.0	--	1.5	--	205	176	--	156	--	7.3	7	6
W 101	08-25-42	--	--	50	--	--	--	--	--	--	--	--	15	--	.7	--	--	215	--	147	--	7.6	0	3
W 102	08-25-42	--	--	80	--	--	--	--	--	--	--	--	6.2	--	.5	--	--	151	--	154	--	7.6	0	6
W 102	10-29-69	1.1	6.6	10	0	44	11	5.0	1.0	168	0	21	8.4	.1	3.5	184	187	155	18	--	312	7.7	1	1
W 115	04-20-66	--	--	--	--	29	12	--	--	--	--	--	.5	--	--	--	--	118	--	110	--	7.46	--	6
W 115	1- -67	--	--	0	0	--	--	--	--	--	--	70	20	--	--	--	228	169	--	--	--	7.6	--	6
W 115	10-07-70	--	6.5	10	0	28	8.1	1.5	1.2	126	0	9.5	2.1	.0	3.0	122	--	104	0	--	228	8.1	--	1
W 128	10-07-70	--	5.1	10	0	56	18	15	1.0	244	0	15	33	.2	6.2	270	--	214	14	--	565	8.0	--	1
W 136	08-25-42	10.5	--	80	--	--	--	--	--	154	--	--	6.2	--	.5	--	--	151	--	--	--	7.6	0	3
W 147	01-31-67	--	--	0	0	--	--	--	--	--	--	3.0	1.4	--	.9	--	--	102	--	106	--	8.1	--	6
W 147	02- -67	--	--	0	0	--	--	--	--	--	--	68	5.0	--	--	--	142	100	--	--	--	7.2	--	6
W 148	04-20-66	--	--	0	--	--	--	--	--	--	--	--	30	--	--	--	232	122	--	132	232	8.4	--	6
W 148	01- -67	--	--	0	0	--	--	--	--	--	--	68	5.	--	--	--	142	100	--	--	--	7.2	--	6
W 152	07-14-70	--	7.3	10	280	21	4.8	1.6	.4	82	0	10	.1	.0	2.6	88	--	72	5	--	160	7.9	2	1
CHESHIRE																								
W 6	11-22-48	--	--	60	--	--	--	--	--	--	--	--	1.6	--	1.8	--	--	46	--	102	--	8.0	1	3
W 6	10-09-69	11.5	.7	10	0	28	8.6	1.8	.8	126	0	7.0	2.2	.2	.9	112	110	106	2	--	217	8.0	1	1
W 7	10-25-48	--	--	50	--	--	--	--	--	--	--	--	2.2	--	1.5	--	--	62	--	122	--	7.9	2	3
W 26	05-31-57	--	--	70	--	--	--	--	--	154	--	--	4.8	--	1.1	--	--	224	--	--	--	7.4	1	3
W 29	06-02-60	--	--	150	--	--	--	--	--	132	--	--	.6	--	.0	--	--	140	--	--	--	8.1	4	3
W 33	10-29-69	--	5.0	10	0	35	13	1.3	.5	182	0	5.6	1.3	.0	1.4	152	150	141	0	--	278	7.9	4	1
W 35	10-13-70	--	4.8	0	0	1.0	.0	88	.0	198	0	16	9.6	.0	11	227	--	2	0	--	386	8.2	--	1
W 38	10-16-70	--	5.7	10	0	18	6.1	.6	.5	82	0	8.5	.1	.0	3.7	83	--	70	3	--	153	8.2	--	1
CLARKSBURG																								
W 1	08-06-41	--	--	100	--	--	--	--	--	--	--	--	17	--	25	--	340	117	--	14	--	5.5	0	3
W 19	07-31-70	--	6.8	10	0	16	5.3	3.2	1.1	88	0	4.0	.1	.0	.2	73	--	62	0	--	144	8.1	--	1
W 21	11-06-63	--	--	120	0	--	--	--	--	46	--	--	2.6	--	.2	--	--	54	--	--	--	7.8	5	3
HANCOCK																								
W 14	10-02-69	1.2	.6	30	0	27	5.7	1.6	.1	108	--	4.0	.7	.2	2.0	95	105	91	2	--	180	8.0	1	1
LANESBOROUGH																								
W 5	08-06-41	9.5	--	150	--	--	--	--	--	--	--	--	20	--	10	--	524	443	--	259	--	7.4	3	3
NEW ASHFORD																								
W 3	10-01-69	1.3	.4	30	0	48	6.7	1.4	.4	159	0	15	4.1	.2	3.9	159	166	148	17	--	295	8.0	2	1
NORTH ADAMS																								
W 4	08-17-23	--	--	300	--	--	--	--	--	--	--	--	7.0	--	.3	--	116	--	--	--	--	--	1	3
W 5	10-01-29	--	--	50	--	--	--	--	--	--	--	--	7.6	--	1.0	--	344	--	--	--	--	--	--	3
W 9	- -	--	--	40	0	--	--	--	--	72	--	--	1.4	--	.5	--	--	76	--	--	--	8.1	1	3
W 10	05-04-60	--	--	200	--	--	--	--	--	86	--	--	2.2	--	.5	--	--	98	--	--	--	8.2	5	3
W 55	01-14-49	--	9.9	700	--	71	31	--	--	279	--	160	39	--	--	--	573	308	--	--	--	7.9	0	6
W 56	11-05-70	--	6.1	0	0	43	13	15	1.6	172	0	12	29	.0	3.4	207	--	160	20	--	385	8.1	0	1
W 64	12- -49	--	8.6	1300	--	46	14	19	--	147	--	71	17	--	--	--	252	177	--	--	--	7.7	--	6
W 68	10-16-69	1.0	.7	0	10	39	13	2.8	.7	167	0	23	3.0	.2	1.0	167	161	151	14	--	311	8.2	1	1
W 72	10-16-69	8.7	.4	0	0	30	8.1	1.8	.4	118	0	14	2.0	.2	1.4	116	110	108	12	--	223	8.2	1	1

TABLE 3. CHEMICAL ANALYSES OF GROUND WATER--CONTINUED

LOCAL WELL NUMBER	DATE OF SAMPLE	TEMPERATURE (C)	SILICA (SIO2) (MG/L)	IRON (FE) (UG/L)	MANGANESE (MN) (UG/L)	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)	FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED SOLIDS (CALC)	DISSOLVED SOLIDS (RESIDUE AT 180 C)	HARDNESS (CA, MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	ALKALINITY AS CACO3 (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	COLOR	SOURCE OF DATA
WILLIAMSTOWN																								
W 34	10-30-69	--	8.5	20	0	43	16	6.7	2.0	190	0	19	13	.1	3.1	204	221	173	18	--	389	7.9	3	1
W 36	03-26-53	9.0	6.6	0	0	23	13	1.1	.7	133	0	3.8	1.4	.0	.6	--	120	111	2	--	216	7.7	2	1
W 50	03-05-54	10.5	6.6	810	40	31	15	1.0	.2	162	0	4.8	2.0	.0	1.2	--	129	135	6	--	254	7.9	5	1
W 52	05-23-63	--	--	150	0	--	--	--	--	--	--	--	.8	--	.1	--	--	136	--	134	--	7.8	--	6
W 53	05-14-63	--	--	260	140	--	--	--	--	--	--	--	.8	--	.3	--	--	136	--	--	--	7.8	5	6
W 53	05-23-63	--	--	250	60	--	--	--	--	--	--	--	.8	--	.2	--	--	136	--	--	--	7.8	1	6
W 53	06-14-63	--	--	240	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6
W 53	06-19-63	--	--	260	70	--	--	--	--	--	--	--	1.0	--	.1	--	--	122	--	--	--	7.8	4	6
W 53	06-20-63	--	--	240	60	--	--	--	--	--	--	--	.8	--	.1	--	--	138	--	--	--	8.0	5	6
W 53	06-26-63	--	--	260	110	--	--	--	--	--	--	--	.8	--	.1	--	--	140	--	--	--	7.7	5	6
W 53	06-27-63	--	--	270	70	--	--	--	--	--	--	--	.8	--	.1	--	--	140	--	--	--	7.8	5	6
W 53	10-01-69	10.0	.6	350	100	35	11	1.8	.7	159	0	12	.2	.1	.0	140	141	133	2	--	270	8.2	1	1
W 54	06-17-54	--	--	150	--	--	--	--	--	90	--	--	4.2	--	2.5	--	--	100	--	--	--	7.8	10	3
W 55	12-10-57	--	--	40	--	--	--	--	--	94	--	--	2.2	--	--	--	--	106	--	--	--	7.8	12	3
W 56	04-26-40	7.0	--	250	--	--	--	--	--	98	--	--	5.6	--	.6	--	--	103	--	--	--	7.3	15	3
W 59	10-23-69	--	7.3	10	0	21	8.6	2.5	.5	108	0	6.6	2.0	.1	.5	102	96	88	0	--	192	7.6	4	1
W 62	10-29-69	1.1	5.8	10	0	33	11	3.9	.6	175	0	3.4	.4	.1	.9	145	137	128	0	--	252	8.1	2	1
W 63	08-29-40	13.0	--	200	--	--	--	--	--	217	--	--	9.4	--	2.2	--	--	225	--	--	--	7.3	5	3
W 64	10-02-69	9.5	.6	10	0	26	5.5	1.6	.1	102	0	8.5	.2	.1	.6	93	105	88	4	--	177	8.0	1	1
W 68	10-14-52	--	--	30	--	--	--	--	--	97	--	--	2.6	--	.1	--	--	108	--	--	--	7.3	2	3
W 97	10-14-70	--	5.6	0	0	29	8.3	.6	.5	138	0	2.0	.0	.0	.6	109	--	106	0	--	213	8.2	2	1
W 98	10-16-70	--	4.4	20	0	23	5.6	1.5	.4	100	0	8.5	.2	.0	.5	93	--	80	0	--	182	8.1	--	1

Table 4.--Water levels in observation wells

(Water levels in feet below land surface. For description of wells, see table 1.)

ADAMS 149

Date	Water level	Date	Water level	Date	Water level
1968		1969		1970	
Mar. 4	4.04	June 17	4.11	Mar. 11	4.97
May 14	5.82	26	4.77	Apr. 8	3.07
June 7	5.73	July 1	5.41	27	3.90
20	4.73	15	6.32	May 12	5.13
July 25	7.85	31	4.60	June 1	5.57
Aug. 22	9.65	Aug. 11	4.80	15	6.91
Oct. 3	10.89	Sept. 11	6.72	July 2	7.13
22	10.41	25	7.86	14	7.75
1969		Oct. 9	7.83	29	8.56
Jan. 8	6.41	23	7.95	Aug. 11	9.42
Mar. 13	5.75	Nov. 6	7.37	25	10.23
27	2.57	20	5.20	Sept. 10	10.42
Apr. 10	2.95	Dec. 4	5.67	22	10.35
24	2.25	19	5.42	Oct. 6	10.28
May 8	4.19	1970		23	10.15
22	3.86	Jan. 21	6.26	Nov. 4	9.91
June 3	4.77	Feb. 17	4.17	Dec. 1	8.91

CHESHIRE 2

Date	Water level	Date	Water level	Date	Water level
1951		1952		1953	
June 14	5.62	July 19	7.44	Nov. 9	12.25
16	5.69	26	8.54	16	11.35
24	5.19	Aug. 2	8.94	21	11.14
30	4.27	9	9.24	28	10.09
July 7	4.18	16	8.84	Dec. 7	5.55
14	2.33	23	7.66	12	5.18
21	2.18	30	7.65	19	4.67
28	4.15	Sept. 13	9.11	26	5.25
Aug. 4	4.84	20	8.87	1954	
11	5.18	27	7.47	Jan. 2	5.59
18	4.79	Oct. 4	7.29	9	5.61
25	4.96	11	8.64	16	6.59
Sept. 1	5.35	18	8.25	24	5.63
8	5.05	25	8.79	31	5.25
15	5.53	Nov. 8	9.67	Feb. 6	5.49
22	6.19	Dec. 13	3.88	13	5.91
29	6.25	20	5.38	20	2.51
Oct. 6	4.29	27	4.98	27	1.29
13	3.19	1953		Mar. 6	1.29
21	4.28	Jan. 3	4.58	13	1.27
30	3.47	10	4.86	20	.84
Nov. 3	.93	17	1.69	27	.79
10	1.35	24	1.06	Apr. 3	1.62
17	1.32	31	.92	10	.72
24	1.24	Feb. 7	1.51	17	.75
Dec. 1	1.59	14	1.96	24	1.46
8	.91	21	2.08	May 1	1.51
15	2.47	28	3.16	8	.36
22	.49	Mar. 7	3.23	15	1.35
29	1.55	14	.36	22	.44
1952		21	.56	29	1.57
Jan. 5	.96	28	1.04	June 5	2.88
12	2.29	Apr. 4	.81	12	4.18
19	.09	11	.53	19	2.86
26	.36	18	.38	26	4.58
Feb. 5	1.41	24	.24	July 4	5.72
9	1.26	May 2	.14	10	6.27
16	1.37	9	1.08	17	6.86
23	4.47	16	.43	25	7.59
Mar. 1	4.84	23	1.49	31	7.66
8	6.54	30	2.46	Aug. 7	7.77
15	3.55	June 6	4.15	14	7.68
22	.96	13	5.37	21	8.57
29	.98	20	6.57	30	7.68
Apr. 5	.48	27	7.08	Sept. 4	7.76
12	.23	Aug. 1	9.79	12	5.31
19	2.48	8	10.15	18	2.98
26	2.38	15	10.69	25	3.69
May 3	2.78	22	11.08	Oct. 3	3.46
10	4.36	29	11.47	11	4.06
19	1.34	Sept. 6	12.19	18	4.15
24	.98	14	12.38	25	5.64
31	1.03	20	12.58	Nov. 1	5.76
June 7	2.66	26	12.94	8	1.96
17	4.94	Oct. 3	13.21	15	2.86
21	5.16	10	13.17	22	.59
28	5.92	19	13.29	29	.19
July 5	6.62	26	13.46	Dec. 6	1.44
12	6.98	Nov. 2	12.59	13	2.46

CHESHIRE 2 (Continued)

Date	Water level	Date	Water level	Date	Water level
1954		1956		1958	
Dec. 20	0.94	July 30	8.04	Mar. 3	4.94
27	3.56	Aug. 6	8.46	10	3.58
1955		13	9.08	17	2.52
Jan. 3	1.55	20	9.66	24	1.51
10	2.99	29	10.27	31	.69
17	5.16	Sept. 3	10.43	Apr. 7	.44
24	6.14	10	10.66	14	.86
31	6.95	17	9.24	21	1.39
Feb. 7	6.92	24	7.36	28	.89
14	6.76	Oct. 1	7.26	May 5	.91
21	7.79	8	5.84	12	1.24
28	6.92	15	6.89	19	1.54
Mar. 7	6.56	23	7.52	26	2.46
14	6.32	29	7.94	June 2	3.25
21	6.39	Nov. 5	7.06	9	3.96
28	6.43	12	6.66	16	4.39
Apr. 4	4.38	19	6.66	23	5.65
11	3.54	26	4.37	30	6.57
18	1.99	Dec. 3	5.76	July 7	7.32
25	.71	10	4.35	14	7.57
May 2	.98	17	.77	28	7.16
9	2.18	31	1.18	Aug. 14	7.57
16	4.16	1957		18	7.79
23	5.21	Jan. 7	3.15	25	7.91
30	5.15	14	4.65	Sept. 2	8.32
June 7	5.18	21	5.33	8	8.74
13	5.98	28	3.39	15	8.79
21	6.58	Feb. 4	4.34	22	8.42
27	6.92	11	3.89	29	7.64
July 4	7.62	18	4.64	Oct. 6	6.67
11	8.16	25	5.36	13	7.19
18	8.76	Mar. 4	4.44	20	7.76
25	9.33	11	4.84	27	7.33
Aug. 1	9.98	18	2.93	Nov. 3	5.51
8	10.44	25	2.74	10	4.42
15	7.79	Apr. 1	2.66	17	4.32
22	6.56	8	.33	24	4.31
29	6.77	15	.86	Dec. 2	3.02
Sept. 5	7.64	22	2.06	8	3.69
11	8.26	29	3.32	15	4.62
19	8.88	May 6	4.69	22	5.38
26	7.64	13	2.59	29	6.16
Oct. 3	7.33	20	1.72	1959	
10	3.62	27	2.75	Jan. 5	6.68
17	.33	June 3	4.47	12	7.34
24	.89	10	5.07	19	7.75
31	.57	17	6.08	26	6.91
Nov. 7	.86	24	6.04	Feb. 2	7.33
14	.52	July 1	6.32	9	7.72
21	.36	8	6.35	16	8.09
29	1.75	15	6.98	23	8.44
Dec. 5	1.19	22	7.69	Mar. 3	8.87
12	3.44	29	8.35	9	8.59
19	4.82	Aug. 5	8.69	16	8.32
26	5.73	12	9.17	23	8.21
1956		19	9.71	30	7.63
Jan. 2	6.48	26	10.08	Apr. 6	5.59
9	6.83	Sept. 1	10.52	13	3.44
16	4.78	10	10.67	20	2.32
23	5.88	16	10.74	27	2.31
Mar. 5	5.99	23	9.98	May 4	2.21
12	5.35	30	9.64	11	3.88
26	5.66	Oct. 7	9.96	18	3.98
Apr. 2	5.98	21	10.96	25	4.99
9	1.08	28	11.06	June 1	5.24
16	.58	Nov. 4	10.28	9	5.19
23	.23	11	9.66	15	5.92
30	.27	18	9.39	22	5.84
May 7	.59	25	8.22	29	5.24
14	1.42	Dec. 2	7.64	July 6	5.59
21	2.89	9	7.26	13	6.43
28	2.44	16	6.14	20	7.09
June 5	1.46	30	1.85	27	7.46
11	2.54	1958		Aug. 3	8.15
18	4.52	Jan. 6	3.51	10	8.44
26	5.89	20	6.06	17	8.55
July 2	6.54	27	3.02	24	8.61
9	7.02	Feb. 3	3.42	31	9.02
16	6.69	10	5.08	Sept. 7	9.19
23	7.37	24	6.32	15	9.37

Table 4.--Water levels in observation wells (Continued)

CHESHIRE 2 (Continued)

Date	Water level
1959	
Sept. 21	[illegible].79
27	1[illegible].17
Oct. 5	1[illegible].51
12	[illegible].48
19	[illegible].81
26	7.[illegible]4
Nov. 2	[illegible].4[illegible]
9	2.47
16	1.64
23	[illegible].45
30	.39
Dec. 7	.57
14	1.13
21	2.32
28	[illegible].51
1960	
Jan. 4	2.91
11	4.5[illegible]
18	5.[illegible]
25	6.[illegible]2
Feb. 1	6.35
8	6.51
15	5.51
22	5.47
Mar. 1	5.54
14	6.69
21	6.[illegible]6
28	5.79
Apr. 4	.61
11	.73
18	.86
25	1.1[illegible]
May 2	1.54
16	[illegible].12
23	4.12
30	5.11
June 6	5.57
13	6.4[illegible]
[illegible]	[illegible]
27	6.32
July 4	6.21
11	6.38
18	7.35
25	7.16
Aug. 1	[illegible].91
8	7.12
15	6.[illegible]
22	6.34
29	6.0[illegible]
Sept. 5	6.63
12	[illegible].98
19	2.61
26	2.[illegible]
Oct. 3	2.92
10	[illegible].96
17	[illegible].12
24	[illegible].57
31	[illegible]
Nov. 7	4.51
14	[illegible]
21	4.51
28	5.21
Dec. 5	[illegible].72
12	[illegible].1[illegible]
26	6.7[illegible]
1961	
Jan. 2	7.13
9	7.5[illegible]
16	7.32
23	[illegible].05
Feb. 2[illegible]	[illegible].41
27	[illegible].22
Mar. 6	1.73
13	1.75
30	1.16
Apr. 15	.38
May 1	[illegible]

Date	Water level
1961	
May 15	1.02
31	3.97
June 15	4.26
30	5.47
July 15	6.94
Aug. 1	5.51
15	6.8[illegible]
Sept. 2	8.66
15	8.89
Oct. 2	9.37
15	10.07
Nov. 1	10.66
15	9.77
Dec. 1	8.07
15	7.88
1962	
Jan. 2	8.02
15	6.66
Feb. 1	6.65
15	8.31
Mar. 1	7.76
15	7.64
Apr. 2	6.39
27	2.22
May 15	3.1[illegible]
28	4.56
June 15	5.16
28	6.46
July 15	8.19
28	9.18
Aug. 15	9.32
28	9.23
Sept. 15	9.07
28	10.48
Oct. 15	8.49
27	8.68
Nov. 15	7.15
30	6.56
Dec. 15	6.24
28	6.13
1963	
Jan. 20	6.92
Feb. 27	8.81
Mar. 30	2.84
Apr. 29	1.93
May 29	3.95
June 28	5.40
July 29	7.98
Aug. 28	9.71
Sept. 28	11.36
Oct. 28	11.29
Nov. 29	8.11
Dec. 28	7.13
1964	
Jan. 30	6.39
Mar. 20	2.57
Apr. 23	.37
May 20	3.93
June 22	7.82
July 20	9.50
Aug. 25	11.08
Sept. 22	11.95
Oct. 22	13.32
Nov. 20	14.03
30	17.44
Dec. 22	18.97
1965	
Jan. 21	18.43
Feb. 24	11.09
Mar. 24	10.80
Apr. 28	4.04
May 27	6.32
June 21	7.35
July 28	7.84
Aug. 27	8.33
Sept. 29	6.53
Oct. 27	6.27

Date	Water level
1965	
Nov. 29	5.05
Dec. 22	5.00
1966	
Jan. 25	5.81
Feb. 23	5.38
Mar. 22	1.67
Apr. 26	1.35
May 24	1.87
June 22	4.99
July 26	5.80
Aug. 24	7.59
Sept. 22	5.32
Oct. 26	3.20
Nov. 25	4.31
Dec. 28	5.27
1967	
Jan. 26	5.61
Feb. 27	5.62
Mar. 28	2.55
Apr. 27	.76
May 25	2.50
June 27	1.71
July 27	4.01
Aug. 29	5.62
Sept. 29	7.0[illegible]
Oct. 27	6.57
Nov. 28	5.81
Dec. 27	5.56
1968	
Jan. 26	6.92
Feb. 21	6.29
Mar. 27	6.36
Apr. 25	9.62
May 24	2.77
June 26	1.82
July 26	5.75
Aug. 27	9.92
Sept. 24	8.96
Oct. 29	11.66
Nov. 26	10.35
Dec. 24	4.00
1969	
Jan. 28	7.86
Feb. 25	10.05
Mar. 28	4.96
Apr. 28	6.52
May 29	7.17
June 26	4.89
July 30	5.62
Aug. 27	5.48
Sept. 24	10.23
Oct. 29	9.69
Nov. 26	4.14
1970	
Mar. 27	.51
Apr. 28	1.17
May 27	2.20
June 26	1.14
July 29	10.13
Aug. 27	13.85
Sept. 25	9.55
Oct. 28	9.11
Nov. 25	9.16
Dec. 29	8.27
1971	
Jan. 27	10.09
Mar. 30	1.55
Apr. 28	1.50
May 25	2.40
June 25	7.21
July 28	9.40
Aug. 27	5.25
Sept. 24	6.60
Oct. 27	6.40
Nov. 29	6.44
Dec. 27	1.75

CHESHIRE 2 (Continued)

Date	Water level	Date	Water level	Date	Water level
1972		**1973**		**1974**	
Jan. 28	4.09	Jan. 30	4.15	Jan. 29	3.23
Feb. 25	7.60	Feb. 27	5.92	Feb. 26	4.32
Mar. 29	6.35	Mar. 28	1.57	Mar. 28	2.24
Apr. 27	1.50	Apr. 25	3.77	Apr. 26	2.24
May 26	2.88	May 30	1.61	May 24	3.28
June 28	1.39	June 28	4.67	June 26	4.42
July 28	5.24	July 26	5.84	July 30	6.18
Aug. 25	7.77	Aug. 29	6.21	Aug. 27	8.61
Sept. 28	9.73	Sept. 27	8.14	Sept. 26	4.59
Oct. 27	9.52	Oct. 30	9.56		
Nov. 29	3.72	Nov. 29	8.25		
Dec. 28	2.78	Dec. 28	1.43		

CLARKSBURG 12

Date	Water level	Date	Water level	Date	Water level
1968		**1969**		**1970**	
Apr. 2	2.06	June 26	2.40	Mar. 11	3.28
May 14	3.37	July 1	3.75	Apr. 8	1.68
June 6	3.51	15	3.37	27	2.37
20	1.91	31	1.83	May 12	3.50
July 24	6.15	Aug. 11	2.14	June 1	3.68
Aug. 22	6.52	Sept. 11	4.81	15	5.46
Oct. 3	6.38	25	6.14	July 2	5.58
22	5.67	Oct. 9	5.77	14	5.76
1969		23	5.36	29	6.48
Mar. 13	2.96	Nov. 6	2.37	Aug. 11	6.07
27	1.47	20	1.37	25	4.83
Apr. 10	2.28	Dec. 4	3.41	Sept. 10	5.11
24	1.83	19	3.27	22	4.08
May 8	3.74	**1970**		Oct. 6	3.68
22	3.38	Jan. 21	4.72	23	3.89
June 3	2.87	Feb. 17	2.91	Nov. 6	5.27
17	2.17				

HANCOCK 12

Date	Water level	Date	Water level	Date	Water level
1968		**1969**		**1970**	
Mar. 28	9.48	June 17	8.20	Apr. 8	7.54
May 14	9.44	July 2	9.16	27	7.34
June 6	10.16	15	9.72	May 12	8.20
20	9.87	31	9.81	June 1	9.28
July 26	11.40	Aug. 11	10.21	15	10.16
Aug. 22	12.45	Sept. 11	11.26	July 2	10.99
Oct. 3	13.37	25	11.72	14	11.52
22	13.67	Oct. 9	12.03	29	12.16
1969		23	12.33	Aug. 11	12.66
Mar. 13	10.47	Nov. 6	12.46	25	13.14
27	8.44	20	11.42	Sept. 10	13.43
Apr. 10	8.04	Dec. 4	10.94	22	13.43
24	6.22	**1970**		Oct. 3	13.55
May 8	7.07	Jan. 21	10.08	12	13.76
22	7.36	Feb. 17	8.57	Nov. 4	13.83
June 3	8.16	Mar. 11	8.56	Dec. 1	13.54

NORTH ADAMS 69

Date	Water level	Date	Water level	Date	Water level
1968		**1969**		**1970**	
Mar. 27	0.98	June 26	+0.04	Apr. 8	+0.96
May 14	.40	July 1	-.13	27	+.96
June 7	.64	15	.58	May 12	+.35
20	.96	31	6.53*	June 1	-.02
July 25	8.20*	Aug. 11	9.37*	15	.45
Aug. 22	13.10*	Sept. 11	13.21*	July 2	.87
Oct. 3	15.95*	25	14.26*	14	1.13
22	16.81*	Oct. 16	15.35*	29	1.41
1969		23	15.65*	Aug. 11	7.75*
Mar. 13	2.06	Nov. 6	16.04*	25	11.16*
27	-.99	20	15.60	Sept. 10	13.38*
Apr. 10	+.06	Dec. 4	7.68	22	14.24*
25	+.62	14	4.28	Oct. 3	15.13*
May 8	+.40	**1970**		23	15.88*
22	+.07	Feb. 17	.25	Nov. 4	16.30*
June 3	-.16	Mar. 11	-.57	Dec. 1	11.92
17	+.06				

*Influenced by nearby pumping.

Table 5.--Records of selected springs

Location: Number following the decimal point is a sequential number for springs within a 1-second grid.
Altitude of land-surface datum: Altitudes are interpolated from topographic maps. Datum is mean sea level.
Character: g, gravel; ls, limestone; uk, unknown.
Geologic unit: br, bedrock; un, unconsolidated-undifferentiated.
Use: C, commercial; D, domestic; In, industrial; N, not used (follows original use, for example, D/N); PS, public supply; R, recreation.
Remarks: C, chemical analysis in table 6; F, flow in gallons per minute; T, temperature in degrees centigrade.

Local Spring Number	Location	Owner or name	Altitude of land-surface datum (feet)	Character	Geologic unit	Level	Date of measurement	Use	Remarks
			ADAMS						
S2	423651N0730715.1	Brown Paper Co.	820	ls	br	flow	--	In	C; F>100,10-7-70.
			CHESHIRE						
S1	423240N0731138.1	U.S. Gypsum Co.	1,110	ls	br	flow	- -52	In/D/N	F 15.
S2	423240N0731118.1	do.	1,240	ls	br	flow	--	In/S/N	F 200.
			CLARKSBURG						
S1	424259N0730429.1	Red Mill Spring	1,020	uk	un	flow	--	PS	C.
			HANCOCK						
S1	423729N0731652.1	Don Quimby	1,100	uk	un	flow	--	D	
S2	423731N0731644.1	Arthur Williams	1,025	uk	un	flow	4- -68	--	F>0.5,8-15-69.
S3	423734N0731630.1	do.	1,075	uk	un	flow	4- -68	--	C; F>1,8-15-69.
S4	423747N0731656.1	do.	1,115	uk	un	flow	--	D/N	
			LANESBOROUGH						
S1	423032N0731155.1	Berkshire Coop. Water Co.	950	g	un	flow	--	PS	C; F 12, T 8.5,8-12-69.
			NEW ASHFORD						
S1	423619N0731203.1	Mt. Greylock Reservation	2,380	ls	br	flow	--	N	T 5.6,1938.
S2	423527N0731436.1	Benjamin Betti	1,380	ls	br	--	--	--	C.
S3	423556N0731438.1	John Ryan	1,310	uk	br	flow	--	N	
S4	423535N0731446.1	Edward Grosso	1,370	uk	br	flow	--	N	
S5	423626N0731409.1	Mort Vancott	1,240	uk	un	flow	4- -68	D/N	
			WILLIAMSTOWN						
S1	423800N0731001.1	Mt. Greylock Reservation	2,970	uk	--	flow	--	PS	T 6.6,1938.
S2	424408N0731201.1	Sand Spring Co.	840	uk	br	flow	8-12-69	In/PS/N	C; F 40, T 21.2,10-63.
S3	423834N0731524.1	Mount Hope Farm	1,090	ls	br	flow	--	PS	C; F>11; T 11. Series of springs feed reservoir.
S4	424145N0731337.1	Elwal Pines Motel	795	uk	un	flow	--	C	F 1-10. Supplies motel and restaurant.
S5	424136N0731337.1	1896 House Restaurant	795	uk	un	flow	--	C	Do.
S6	423844N0731427.1	Wabecka Springs	980	ls	br	flow	--	PS	C; T 8.1,8-20-70. Two springs.
S7	424407N0731203.1	Frederick George	670	uk	br	flow	--	R	C; T 22,8-12-69.
S8	424425N0731305.1	--	600	--	br	flow	8-14-69	N	C; F 15-20, T 17.8, 8-14-69.
S9	424202N0731324.1	Williamstown Town	760	ls	br	flow	--	PS/N	C; F 25, T 9.0,10-9-69.

TABLE 6.--CHEMICAL ANALYSES OF SPRINGS

SOURCE OF DATA: 1, U.S. GEOLOGICAL SURVEY; 2, STATE HEALTH DEPARTMENT.

LOCAL WELL NUMBER	DATE OF SAMPLE	TEM-PERA-TURE (C)	SILICA (SIO2) (MG/L)	IRON (FE) (UG/L)	MAN-GANESE (MN) (UG/L)	CAL-CIUM (CA) (MG/L)	MAGNE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	SUL-FATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)	FLUO-RIDE (F) (MG/L)	NI-TRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (CALC)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C)	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS)	PH	COLOR	SOURCE OF DATA
												ADAMS												
S 2	10-07-70	--	4.8	10	0	50	16	2.6	0.6	240	0	10	9.6	0.0	4.6	216	--	191	0	--	425	8.0	0	1
												CLARKSBURG												
S 1	10-17-45	--	--	--	--	--	--	--	--	--	--	--	1.2	--	10	--	--	35	--	78	--	--	--	2
												HANCOCK												
S 3	8-15-69	8.0	3.6	20	0	45	6	.6	.1	154	0	11	.5	.0	1.9	145	140	137	11	--	264	7.8	3	1
												LANESBOROUGH												
S 1	8-18-42	--	--	--	--	--	--	--	--	--	--	--	1.4	--	.4	--	--	109	--	113	--	7.6	0	2
S 1	8-12-69	8.5	6.5	10	0	31	10	1.3	.7	144	0	7.2	.6	.1	.5	129	127	118	0	--	237	7.9	3	1
												NEW ASHFORD												
S 2	6-06-35	--	--	50	0	--	--	--	--	--	--	--	2.1	--	.5	--	85	60	--	--	--	7.0	0	2
												WILLIAMSTOWN												
S 2	10-24-63	21.0	13	20	0	21	11	3.3	1.3	116	0	8.6	2.0	.1	.4	--	110	98	3	--	197	8.2	2	1
S 2	8-12-69	22.0	12	20	0	23	8.8	2.0	.9	118	0	8.1	1.0	.1	1.0	114	116	94	0	--	199	7.8	4	1
S 3	10-01-69	11.0	.5	10	0	24	4.2	1.3	.2	84	0	7.5	.4	.2	1.0	80	79	77	8	--	153	7.7	2	1
S 6	8-21-70	8.1	4.2	--	--	18	3.0	.3	.1	68	0	6.0	.1	.0	4.2	69	--	58	2	--	134	7.7	--	1
S 7	8-12-69	22.0	12	20	0	25	8.9	2.0	.9	114	0	8.1	1.3	.1	.4	115	114	99	6	--	199	8.1	4	1
S 8	8-14-69	17.8	7.2	20	0	46	11	1.9	.6	177	0	11	.8	.1	.7	166	167	160	15	--	291	8.0	4	1
S 9	10-09-69	8.9	.6	10	0	36	11	1.9	.8	154	0	6.5	.6	.2	1.1	135	130	135	9	--	252	8.1	2	1

Table 7.--Surface-water stations at which data were collected

Type of data--Discharge: continuous record (D), low-flow (LF); Water-quality: chemical (C), suspended sediment (S)

Map reference no. (Plate 1)	Station name and (number)	Location	Drainage area (mi^2)	Type of data collected
1	Gore Brook near Cheshire, Mass. (01331350)	Lat 42°31'28", long 73°11'32", Berkshire County, at culvert on State Highway 8, 1,000 ft (305 m) above mouth, and 3 miles (4.8 km) southwest of Cheshire.	1.40	LF, C
2	Cheshire Reservoir Outlet at Cheshire, Mass.	Lat 42°33'14", long 73°09'58", Berkshire County, at Cheshire Reservoir Outlet, 50 ft (15 m) above bridge on State Highway 8, and 0.6 mile (1.0 km) south of Cheshire.	--	C
3	Kitchen Brook at Cheshire, Mass. (01331360)	Lat 42°33'31", long 73°10'04", Berkshire County, at culvert on South St., 0.2 mile (0.3 m) southwest of Cheshire, and 0.4 mile (0.6 km) above mouth.	4.78	LF, C
4	Hoosic River at Cheshire, Mass.	Lat 42°33'43", long 73°09'24", Berkshire County, at culvert on South St., 0.4 mile (0.6 km) east of Cheshire.	--	C
5	South Brook at Cheshire, Mass. (01331380)	Lat 42°33'40", long 73°09'06", Berkshire County at culvert on Windsor Rd., 3,000 ft (914 m) above mouth, and 0.8 mile (1.3 km) east of Cheshire.	7.23	LF, C
6	Bassett Brook at Cheshire Harbor, Mass. (01331390)	Lat 42°35'54", long 73°09'02", Berkshire County, 0.5 mile (0.8 km) northwest of Cheshire Harbor, 3,000 ft (914 m) above mouth, and 2.5 miles (4.0 km) southwest of Adams.	2.83	LF, C
7	Hoosic River above Dry Brook, at Adams, Mass.	Lat 42°36'37", long 73°07'33", Berkshire County, 50 ft (15 m) above Dry Brook, 300 ft (91 m) below bridge on State Highway 8, and 1.0 mile (1.6 km) south of Adams.	--	C
8	Dry Brook near Adams, Mass. (01331400)	Lat 42°35'20", long 73°06'48", Berkshire County, on right bank 20 ft (6 m) upstream from bridge on State Highway 116, just south of junction of Wells Rd. and State Highway 116, and 2.5 miles (4.0 km) south of Adams.	7.53	D, C, S
9	Hoosic River at Adams, Mass. (01331500)	Lat 42°36'37", long 73°07'32", Berkshire County, on right bank at Adams, just downstream from Dry Brook, and 0.5 mile (0.8 km) upstream from Pecks Brook.	46.3	D, C, S
10	Pecks Brook at Adams, Mass.	Lat 42°37'01", long 73°07'39", Berkshire County, at culvert joining two streets, across from ball field, 1,000 ft (305 m) above mouth, and 0.6 mile (1.0 km) southwest of Adams.	--	C
11	Tophet Brook near Adams, Mass. (01331600)	Lat 42°36'56", long 73°06'17", Berkshire County, at highway bridge, 1 mile (1.6 km) southeast of Adams, and 1.2 miles (1.9 km) above mouth.	4.68	LF, C
12	Hoosic River above North Adams, Mass.	Lat 42°39'55", long 73°06'16", Berkshire County, 50 ft (15 m) above bridge on Cross Rd., and 2.5 miles (4.0 km) south of North Adams.	--	C
13	North Branch Hoosic River at Stamford, Vt.	Lat 42°44'59", long 73°04'09", Bennington County, at bridge on macadam road just off State Highway 8 and 0.3 mile (0.5 km) south of Stamford.	--	LF, C
14	Canyon Brook at Briggsville, Mass.	Lat 42°43'02", long 73°04'18", Berkshire County, at culvert on road 0.8 mile (1.3 km) northeast of Briggsville.	1.78	LF, C
15	North Branch Hoosic River at Briggsville, Mass.	Lat 42°43'03", long 73°04'22", Berkshire County, at bridge on State Highway 8, 350 ft (107 m) below Canyon Brook, 0.7 mile (1.1 km) northeast of Briggsville.	--	C
16	North Branch Hoosic River near North Adams, Mass.	Lat 42°42'39", long 73°05'09", Berkshire County, at bridge on private road just off State Highway 8, 0.5 mile (0.8 km) above Hudson Brook, and 1.4 miles (2.3 km) northeast of North Adams.	--	C
17	Cowan Branch near Stamford, Vt. (01331900)	Lat 42°44'55", long 73°07'12", Bennington County, 30 ft (9 m) below confluence with unnamed brook, 150 ft (46 m) below culvert on Klondike Rd., and 2.6 miles (4.2 km) southwest of Stamford.	3.17	LF, C
18	Hudson Brook at Clarksburg, Mass. (01331950)	Lat 42°43'10", long 73°05'43", Berkshire County, at culvert on Cross Rd., at Clarksburg, 1.5 miles (2.4 km) northeast of North Adams.	6.40	LF, C
19	North Branch Hoosic River at North Adams, Mass. (01332000)	Lat 42°42'08", long 73°05'37", Berkshire County, on left bank at North Adams, 0.4 mile (0.6 km) downstream from Hudson Brook, and 1.5 miles (2.4 km) upstream from mouth.	39.0	D, C, S
20	Hoosic River below North Adams, Mass.	Lat 42°41'53", long 73°08'20", Berkshire County, at bridge on State Highway 2, 0.1 mile (0.2 km) below Notch Brook, and 1.5 miles (2.4 km) west of North Adams.	--	C

Table 7.--Surface-water stations at which data were collected--Continued

Map reference no. (Plate 1)	Station name and (number)	Location	Drainage area (mi^2)	Type of data collected
21	Sherman Brook near North Adams, Mass. (01332200)	Lat 42°42'04", long 73°09'08", Berkshire County, at culvert on Massachusetts Ave., 600 ft (183 m) above mouth, and 2.2 miles (3.5 km) west of North Adams.	1.66	LF, C
21-A	Hoosic River tributary near Williamstown, Mass. (01332400)	Lat 42°42'15", long 73°10'25", Berkshire County, at culvert on Galvin Rd., 200 ft (61 m) above mouth, and 1.7 miles (2.7 km) east of Williamstown.	--	C
22	Hoosic River near Williamstown, Mass. (01332500)	Lat 42°42'21", long 73°10'50", Berkshire County, on left bank 1.0 mile (1.6 km) upstream from Green River, and 1.2 miles (1.9 km) east of Williamstown.	132	D, C, S
23	Green River at New Ashford, Mass.	Lat 42°36'21", long 73°14'16", Berkshire County, 0.2 mile (0.3 km) below culvert on Ingraham Rd., and 0.2 mile (0.3 km) northeast of New Ashford.	--	C
24	Thompson Brook near New Ashford, Mass. (01332550)	Lat 42°37'31", long 73°13'52", Berkshire County, at culvert on U.S. Highway 7, 100 ft (30 m) above mouth, and 1.5 miles (2.4 km) northeast of New Ashford.	1.51	LF, C
25	Green River near New Ashford, Mass.	Lat 42°37'36", long 73°13'47", Berkshire County, 600 ft (183 m) below Thompson Brook, 0.3 mile (0.5 km) above East Branch Green River, and 1.6 miles (2.6 km) northeast of New Ashford.	--	C
26	East Branch Green River near New Ashford, Mass. (01332600)	Lat 42°37'42", long 73°13'33", Berkshire County, at culvert on private road, 150 ft (46 m) above mouth, and 1.8 miles (2.9 km) northeast of New Ashford.	3.92	LF, C
27	Green River near South Williamstown, Mass.	Lat 42°38'35", long 73°14'02", Berkshire County, at bridge on U.S. Highway 7, 1.3 miles (2.1 km) south of South Williamstown.	13.9	LF, C
28	West Branch Green River near Hancock, Mass. (01332700)	Lat 42°35'40", long 73°17'37", Berkshire County, at culvert on State Highway 43, 3.9 miles (6.3 km) northeast of Hancock.	1.11	LF, C
29	West Branch Green River at South Williamstown, Mass. (01332800)	Lat 42°39'37", long 73°14'31", Berkshire County, at bridge on U.S. Highway 7, at South Williamstown and 0.2 mile (0.3 km) above mouth.	14.7	LF, C
30	Hopper Brook near South Williamstown, Mass. (01332900)	Lat 42°40'38", long 73°12'39", Berkshire County, at culvert on Hopper Rd., 350 ft (107 m) above mouth, and 2 miles (3.2 km) northeast of South Williamstown.	6.72	LF, C
31	Green River at Williamstown, Mass. (01333000)	Lat 42°42'32", long 73°11'50", Berkshire County, on left bank, 0.1 mile (0.2 km) upstream from bridge on State Highway 2 at Williamstown and 0.8 mile (1.3 km) upstream from mouth.	42.6	D, C, S
32	Hemlock Brook near Williamstown, Mass. (01333100)	Lat 42°41'16", long 73°13'50", Berkshire County, at culvert on U.S. Highway 7 and State Highway 2, and 2.2 miles (3.5 km) southwest of Williamstown.	5.25	LF, C
33	Hemlock Brook below unnamed tributary, near Williamstown, Mass.	Lat 42°42'31", long 73°13'18", Berkshire County, 300 ft (91 m) below unnamed tributary draining Flora Glen, 0.9 mile (1.4 km) above Buxton Brook, and 1.1 miles (1.8 km) west of Williamstown.	--	C
34	Buxton Brook near Williamstown, Mass. (01333150)	Lat 42°43'00", long 73°13'27", Berkshire County, at culvert on Main St., 0.8 mile (1.3 km) above mouth and 1.2 miles (1.9 km) west of Williamstown.	2.86	LF, C
35	Hemlock Brook at Williamstown, Mass. (01333200)	Lat 42°43'10", long 73°12'36", Berkshire County, at culvert on Bulkley St., 0.8 mile (1.3 km) northwest of Williamstown, and 0.9 mile (1.4 km) above mouth.	13.1	LF, C
36	Broad Brook near Williamstown, Mass.	Lat 42°44'04", long 73°12'05", Berkshire County, at bridge on private road leading to Sand Spring, 1.0 mile (1.6 km) above mouth, and 1.6 miles (2.6 km) north of Williamstown.	--	C
37	Hoosic River below Williamstown, Mass. (01333300)	Lat 42°44'28", long 73°12'47", Berkshire County, on right bank, 0.3 mile (0.5 km) upstream from Massachusetts-Vermont State line, 2 miles (3.2 km) northwest of Williamstown, and 3.9 miles (6.3 km) downstream from gaging station on Hoosic River near Williamstown.	203	C

Table 8.--Discharge at low-flow stations

Map reference number (Plate 1)	Station name	Drainage area (mi^2)	Measurements Date	Discharge (ft^3/s)
1	Gore Brook near Cheshire, Mass.----------------	1.40	9- 8-67	0.17
			10-25-67	.26
			8-16-68	.06
			8-28-68	.05
			8-28-69	.11
			9-23-69	.15
3	Kitchen Brook at Cheshire, Mass.---------------	2.26*	9- 8-65	.23
			9- 8-67	2.22
			10-25-67	2.68
			8-16-68	.19
			8-27-68	.07
			8-28-69	1.39
			9-23-69	.93
5	South Brook at Cheshire, Mass.-----------------	7.23	9- 8-65	.65
			9- 8-67	1.33
			10-25-67	1.77
			8-27-68	.61
			8-28-69	1.05
			9-23-69	1.17
6	Bassett Brook at Cheshire Harbor, Mass.--------	2.83	9- 8-67	2.03
			10-25-67	3.20
			8-28-68	.45
			8-28-69	1.96
			9-23-69	1.79
11	Tophet Brook near Adams, Mass.-----------------	4.68	9- 8-67	1.29
			10-25-67	2.54
			8-28-68	.39
			8-28-69	1.23
			9-23-69	1.08
13	North Branch Hoosic River at Stamford, Vt.-----	--	9- 9-67	10.3
			8-28-68	2.53
14	Canyon Brook at Briggsville, Mass.-------------	1.78	8-28-68	.23
			8-28-69	.44
			9-23-69	.37
			10- 2-69	.35
17	Cowan Branch near Stamford, Vt.----------------	3.17	9- 9-67	.98
			10-25-67	2.54
			8-28-68	.11
			8-28-69	.62
			9-23-69	.44
18	Hudson Brook at Clarksburg, Mass.--------------	6.40	9- 9-67	1.67
			10-25-67	4.03
			8-28-68	.23
			8-18-69	1.28
			9-23-69	.86
21	Sherman Brook near North Adams, Mass.----------	1.66	9- 8-67	.43
			10-24-67	.44
			8-15-68	.11
			8-29-68	.13
			8-28-69	.30
			9-23-69	.21

*Excludes 2.52 sq mi above dam on Kitchen Brook from which flow is diverted for municipal supply of Cheshire, Mass.

Table 8.--Discharge at low-flow stations--Continued

Map reference number (Plate 1)	Station name	Drainage area (mi^2)	Measurements Date	Discharge (ft^3/s)
24	Thompson Brook near New Ashford, Mass.-----------	1.51	9- 8-67	0.86
			10-24-67	.65
			8-14-68	.12
			8-29-68	.06
			8-28-69	.74
			9-24-69	.43
26	East Branch Green River near New Ashford, Mass.--	3.92	9- 8-65	1.40
			9- 8-67	2.06
			10-24-67	3.00
			8-14-68	.61
			8-29-68	.38
			8-28-69	2.06
			9-24-69	1.39
27	Green River near South Williamstown, Mass.-------	13.9	8-15-68	1.70
			8-29-68	1.34
			8-28-69	7.17
			9-24-69	3.95
28	West Branch Green River near Hancock, Mass.------	1.11	9- 8-67	1.10
			10-24-67	.62
			8-14-68	.05
			8-29-68	.06
			8-28-69	.55
			9-24-69	.43
29	West Branch Green River at South Williamstown, Mass.----------------------	14.7	9- 8-65	4.62
			9- 8-67	9.37
			10-24-67	6.85
			8-14-68	2.77
			8-29-68	2.64
			8-28-69	8.08
			9-24-69	6.13
30	Hopper Brook near South Williamstown, Mass.------	6.72	9- 8-67	3.38
			10-24-67	5.43
			8-15-68	1.58
			8-29-68	1.26
			8-28-69	3.10
			9-24-69	1.84
32	Hemlock Brook near Williamstown, Mass.-----------	5.25	9- 8-67	1.14
			10-24-67	1.69
			8-15-68	.18
			8-29-68	.14
			8-28-69	.95
34	Buxton Brook near Williamstown, Mass.------------	2.86	9- 8-67	.55
			10-24-67	.59
			8-15-68	.18
			8-29-68	.13
35	Hemlock Brook at Williamstown, Mass.-------------	13.1	9- 8-65	1.66
			9- 8-67	3.86
			10-24-67	4.51
			8-15-68	1.93
			8-29-68	1.77
			8-28-69	4.30

TABLE 9.--MINOR ELEMENT CHEMICAL ANALYSES OF STREAMS

DATE	DIS-CHARGE (FT^3/S)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS)	DIS-SOLVED ALUM-INUM (AL) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LITHIUM (LI) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED STRON-TIUM (SR) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
01331400 - DRY BROOK NEAR ADAMS MASS (LAT 42 35 20 LONG 073 06 48)												
AUG., 1969												
14...	8.8	171	100	0	0	0	0	50	0	0	0	0
01331500 - HOOSIC RIVER AT ADAMS MASS (LAT 42 36 37 LONG 073 07 32)												
AUG., 1969												
12...	85	183	0	0	0	0	0	60	0	0	0	0
01332000 - NORTH BRANCH HOOSIC RIVER AT NORTH ADAMS MASS (LAT 42 42 08 LONG 073 05 37)												
AUG., 1969												
12...	90	63	100	0	0	0	0	60	0	0	0	0
01332500 - HOOSIC RIVER NEAR WILLIAMSTOWN MASS (LAT 42 42 21 LONG 073 10 50)												
SEP., 1953												
16...	58	485	0	--	--	--	20	230	900	0	--	110
MAR., 1954												
30...	376	229	0	--	--	--	10	10	600	0	--	0
AUG., 1969												
12...	247	224	100	--	0	0	0	50	0	0	0	0
01333000 - GREEN RIVER AT WILLIAMSTOWN MASS (LAT 42 42 32 LONG 073 11 50)												
AUG., 1969												
12...	68	173	100	--	0	0	0	20	0	0	0	10

TABLE 10.--MONTHLY CHEMICAL ANALYSES OF STREAMS

DATE	DIS-CHARGE (FT^3/S)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
01331400 - DRY BROOK NEAR ADAMS MASS (LAT 42 35 20 LONG 073 06 48)												
APR., 1967												
27...	25	3.5	60	30	12	3.5	1.2	0.7	36	18	2.5	0.2
MAY												
25...	26	2.8	250	0	17	5.1	1.6	1.4	62	14	2.8	.1
JUNE												
28...	13	4.0	160	120	17	4.2	1.5	1.0	56	12	1.5	.2
AUG.												
01...	9.1	4.6	150	60	26	6.8	1.8	1.8	94	12	3.0	.2
24...	3.4	4.9	120	20	23	7.0	1.9	1.8	98	12	3.1	.1
SEP.												
28...	1.2	4.2	30	80	30	8.5	2.6	2.3	120	15	5.7	.2
OCT.												
31...	5.8	4.9	120	30	20	6.1	1.5	1.4	75	14	3.8	.1
NOV.												
30...	30	5.0	110	50	19	4.8	1.6	1.2	66	16	3.4	.1
DEC.												
26...	16	4.9	110	20	13	4.2	1.1	1.1	45	15	3.9	.1
JAN., 1968												
24...	4.0	5.4	80	20	17	5.3	1.6	1.2	63	14	3.2	.1
FEB.												
27...	6.0	5.6	90	60	18	5.6	1.9	1.2	64	14	4.0	.1
MAR.												
19...	146	2.9	3000	410	11	1.8	1.0	1.1	32	9.0	1.9	.2
APR.												
26...	55	3.6	190	50	11	3.0	1.3	1.0	34	12	2.0	.2
MAY												
28...	6.8	2.2	50	0.0	17	4.6	1.8	1.3	54	19	2.0	.1
01331500 - HOOSIC RIVER AT ADAMS MASS (LAT 42 36 37 LONG 073 07 32)												
APR., 1967												
27...	188	2.3	40	50	19	5.1	2.2	.6	66	13	4.5	.2
MAY												
25...	96	2.3	220	70	21	6.0	2.7	.9	84	13	4.5	.1
JUNE												
28...	78	3.4	110	170	22	6.3	2.7	.7	76	19	4.6	.2
AUG.												
01...	68	3.4	130	70	27	8.6	3.0	.8	106	10	6.0	.1
24...	29	3.6	180	80	26	8.7	3.7	.8	118	10	6.2	.1
SEP.												
28...	25	3.0	170	100	30	10	4.0	1.1	128	10	8.0	.2
OCT.												
31...	38	3.2	60	60	23	8.8	3.6	1.1	110	11	5.8	.1
NOV.												
30...	57	2.8	220	90	27	8.4	3.4	1.0	110	12	6.6	.1
DEC.												
26...	76	3.6	80	10	22	7.0	3.2	.9	87	12	7.1	.1
JAN., 1968												
24...	43	3.9	130	50	29	9.4	3.6	1.1	123	12	6.8	.0
FEB.												
27...	37	4.1	140	80	33	11	4.4	1.0	136	12	8.5	.1
MAR.												
19...	393	2.8	1200	150	11	2.4	1.4	.9	36	9.4	2.9	.1
APR.												
26...	199	3.0	20	70	16	3.7	2.0	.8	50	13	3.4	.1
MAY												
28...	72	1.6	140	10	24	7.0	2.9	1.0	100	8.4	5.0	.1
01332000 - NORTH BRANCH HOOSIC RIVER AT NORTH ADAMS MASS (LAT 42 42 08 LONG 073 05 37)												
APR., 1967												
27...	169	4.1	60	60	4.5	.9	2.9	.2	9	10	5.5	.2
MAY												
25...	113	4.2	100	40	5.6	1.4	3.4	.5	14	9.3	5.0	.1
JUNE												
28...	64	4.8	210	90	7.0	1.6	3.5	.6	20	9.2	5.8	.2
AUG.												
01...	124	4.9	190	50	4.7	1.0	2.3	.4	13	7.3	4.0	.2
24...	25	5.7	420	40	8.1	2.0	4.2	.5	30	7.9	6.9	.1
SEP.												
28...	11	6.2	440	110	10	3.2	5.0	.9	42	7.9	8.3	.2
OCT.												
31...	60	5.5	110	50	5.6	1.5	2.6	.5	16	8.3	4.8	.1
NOV.												
30...	60	5.5	230	70	6.0	1.5	3.4	.5	16	12	5.6	.1
DEC.												
26...	97	5.0	60	10	4.4	1.2	3.2	.5	11	8.1	6.6	.1
JAN., 1968												
24...	27	6.2	180	30	7.1	2.1	3.8	.6	23	9.6	6.2	.1
FEB.												
27...	20	6.3	450	80	7.7	2.4	4.5	.7	26	8.8	6.3	.1
MAR.												
19...	694	3.6	900	90	3.8	.8	3.1	.6	8	7.4	6.2	.2
APR.												
26...	294	4.1	200	70	4.5	.9	2.3	.7	8	8.6	4.3	.1
MAY												
28...	58	4.9	30	10	5.8	1.4	3.5	.6	16	5.1	5.0	.1

TABLE 10.--MONTHLY CHEMICAL ANALYSES OF STREAMS

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	LOSS ON IGNI-TION (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TEMPER-ATURE (DEG C)
01331400 - DRY BROOK NEAR ADAMS MASS (LAT 42 35 20 LONG 073 06 48)												
APR., 1967												
27...	0.4	60	60	--	4.05	44	15	30	96	7.5	12	5.6
MAY												
25...	.6	92	75	--	6.46	64	12	51	140	7.0	11	6.7
JUNE												
28...	.2	76	70	--	2.67	60	14	46	119	6.9	19	18.5
AUG.												
01...	.8	111	103	--	2.73	93	16	77	184	7.4	25	18.5
24...	.2	110	102	--	1.01	86	6	80	195	7.6	15	19.0
SEP.												
28...	.5	129	128	--	.42	110	12	98	234	7.4	5	14.5
OCT.												
31...	.4	110	89	--	1.72	75	13	62	164	7.3	10	6.0
NOV.												
30...	.8	80	84	--	6.48	67	13	54	151	7.4	8	.0
DEC.												
26...	.7	69	66	--	2.98	50	13	37	115	7.3	5	.0
JAN., 1968												
24...	1.2	85	80	--	.92	64	12	52	144	7.1	2	.0
FEB.												
27...	1.4	81	83	--	1.31	68	15	52	148	7.2	8	.0
MAR.												
19...	1.3	54	46	--	21.3	35	9	26	83	7.2	10	2.0
APR.												
26...	.5	64	52	--	9.50	40	12	28	89	7.0	35	5.0
MAY												
28...	.1	80	74	--	1.47	62	18	44	130	7.2	4	14.0
01331500 - HOOSIC RIVER AT ADAMS MASS (LAT 42 36 37 LONG 073 07 32)												
APR., 1967												
27...	.3	81	79	--	41.1	68	14	54	145	7.8	6	6.7
MAY												
25...	.6	101	92	--	26.2	77	8	69	177	7.2	3	7.5
JUNE												
28...	.6	101	96	--	21.3	81	19	62	171	7.0	4	18.3
AUG.												
01...	.2	114	111	--	20.9	103	16	87	203	7.5	4	19.0
24...	.5	118	118	--	9.24	101	4	97	222	7.5	5	18.0
SEP.												
28...	.3	130	130	--	8.77	11	11	105	239	7.4	2	14.5
OCT.												
31...	.2	115	111	--	11.8	94	4	90	213	7.8	2	8.0
NOV.												
30...	.7	118	116	--	18.2	102	12	90	217	7.7	3	2.0
DEC.												
26...	.6	126	100	--	25.9	84	13	71	184	7.5	2	--
JAN., 1968												
24...	.9	127	127	--	14.7	111	10	101	237	7.6	1	1.0
FEB.												
27...	1.1	144	142	--	14.4	128	16	112	262	7.9	4	2.0
MAR.												
19...	1.2	59	50	--	62.6	38	8	30	92	7.2	7	2.0
APR.												
26...	4.0	72	70	--	38.7	55	14	41	115	7.0	16	7.0
MAY												
28...	.3	95	99	--	18.5	89	7	82	189	7.5	0	14.0
01332000 - NORTH BRANCH HOOSIC RIVER AT NORTH ADAMS MASS (LAT 42 42 08 LONG 073 05 37)												
APR., 1967												
27...	.2	39	33	--	17.8	14	7	7	52	6.9	6	3.9
MAY												
25...	.2	43	37	--	13.1	20	8	11	64	6.7	3	6.7
JUNE												
28...	.0	45	42	--	7.78	24	8	16	55	6.8	4	20.0
AUG.												
01...	.2	34	31	--	11.4	16	5	11	50	6.6	13	16.0
24...	.2	59	51	--	3.98	28	4	25	86	7.0	4	18.0
SEP.												
28...	.0	61	63	--	1.81	38	4	34	109	7.0	1	14.0
OCT.												
31...	.2	43	37	--	6.97	20	7	13	62	6.9	0	5.0
NOV.												
30...	.4	42	43	--	6.80	21	8	13	69	6.6	4	.0
DEC.												
26...	.4	36	35	--	9.43	16	7	9	57	6.6	4	.0
JAN., 1968												
24...	.8	50	48	--	3.64	26	7	19	78	7.1	5	.0
FEB.												
27...	.8	51	51	--	2.75	29	8	21	85	6.9	2	.0
MAR.												
19...	.6	37	30	--	69.3	12	6	7	53	6.6	4	2.0
APR.												
26...	.2	34	30	--	27.0	15	8	7	47	6.6	14	6.0
MAY												
28...	.1	--	34	--	5.32	20	8	13	66	7.0	5	13.0

TABLE 10--MONTHLY CHEMICAL ANALYSES OF STREAMS (CONTINUED)

DATE	DIS-CHARGE (FT^3/S)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
01332400 - HOOSIC RIVER TRIBUTARY NR WILLIAMSTOWN MASS (LAT 42 42 15 LONG 073 10 25)												
SEP., 1967												
28...	E10	5.5	--	--	44	10	58	3.5	193	57	48	.3
01332500 - HOOSIC RIVER NEAR WILLIAMSTOWN MASS (LAT 42 42 21 LONG 073 10 50)												
SEP., 1953												
16...	58	5.8	230	0	37	10	48	5.8	210	29	35	.1
MAR., 1954												
30...	376	3.6	10	0	18	4.0	20	2.6	70	14	26	.0
SEP., 1957												
30...	53	5.9	710	60	42	13	26	2.9	148	23	40	.3
NOV.												
06...	43	5.6	220	90	30	9.3	26	4.7	150	18	19	.1
JAN., 1958												
08...	185	5.0	260	10	27	7.2	6.8	1.7	87	18	10	.1
FEB.												
11...	140	5.4	140	60	31	8.0	16	2.4	124	9.5	12	.2
MAR.												
12...	194	4.6	110	100	36	9.5	6.9	1.9	120	18	11	.1
APR., 1967												
27...	520	3.6	50	70	19	4.6	4.6	.6	59	16	7.5	.2
MAY												
25...	311	3.3	190	80	25	5.5	5.7	1.3	90	16	8.8	.1
JUNE												
28...	254	4.1	80	170	28	7.1	6.6	1.1	98	16	9.0	.2
AUG.												
01...	277	1.4	280	120	22	5.8	6.0	1.1	72	12	10	.1
24...	107	5.4	330	120	30	9.1	22	2.8	142	20	16	.2
SEP.												
28...	84	5.7	190	160	35	11	24	3.8	161	25	18	.3
OCT.												
31...	154	5.0	220	60	25	6.9	7.7	1.5	93	16	12	.2
NOV.												
30...	187	4.4	320	110	26	7.1	9.0	1.5	94	19	11	.1
DEC.												
26...	286	4.7	220	30	19	5.6	10	1.0	66	16	17	.1
JAN., 1968												
24...	122	5.4	220	60	33	9.3	12	1.6	123	19	17	.1
FEB.												
27...	107	3.2	160	70	24	6.0	4.7	.7	84	13	7.9	.1
MAR.												
19...	1620	3.3	1100	40	12	2.0	3.8	1.0	36	10	6.0	.2
APR.												
26...	715	3.8	250	80	15	3.5	3.5	.9	44	13	5.5	.1
MAY												
28...	218	3.0	170	0.0	24	6.4	17	1.4	100	18	10	.2
01333000 - GREEN RIVER AT WILLIAMSTOWN MASS (LAT 42 42 32 LONG 073 11 50)												
APR., 1967												
27...	164	2.7	40	50	19	4.5	4.8	.3	63	14	8.9	.1
MAY												
25...	118	2.0	70	40	20	4.6	4.0	.4	70	13	6.6	.1
JUNE												
28...	121	2.9	20	70	22	4.6	6.2	.5	76	12	9.5	.2
AUG.												
01...	72	2.4	170	70	30	6.6	4.2	.9	102	12	8.9	.1
24...	23	2.9	80	30	29	7.2	5.0	.6	113	12	9.0	.1
SEP.												
28...	13	2.1	60	100	31	7.2	5.6	1.0	118	12	9.5	.2
OCT.												
31...	38	2.7	90	40	24	5.5	4.1	.6	86	14	7.3	.1
NOV.												
30...	62	2.5	90	70	23	5.1	4.2	.5	84	14	8.5	.1
DEC.												
26...	100	3.0	50	20	20	4.7	3.7	.5	68	12	8.7	.1
JAN., 1968												
24...	28	3.4	90	30	26	6.4	11	.5	90	14	20	.0
FEB.												
27...	25	4.9	410	100	29	9.0	21	2.5	148	12	15	.2
MAR.												
19...	530	2.4	3600	250	13	2.8	2.8	.7	44	9.8	6.0	.1
APR.												
26...	337	2.7	700	100	17	3.8	2.6	.7	56	12	5.8	.1
MAY												
28...	55	.4	50	0.0	21	4.5	3.5	.6	80	8.8	6.0	.2

E = ESTIMATED.

TABLE 10.--MONTHLY CHEMICAL ANALYSES OF STREAMS (CONTINUED)

DATE	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	LOSS ON IGNI-TION (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	SPECIFIC CONDUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TEMPER-ATURE (DEG C)
01332400 - HOOSIC RIVER TRIBUTARY NR WILLIAMSTOWN MASS (LAT 42 42 15 LONG 073 10 25)												
SEP., 1967												
28...	3.2	331	324	--	8.94	151	0	158	571	7.3	50	16.0
01332500 - HOOSIC RIVER NEAR WILLIAMSTOWN MASS (LAT 42 42 21 LONG 073 10 50)												
SEP., 1953												
16...	--	306	--	--	47.9	134	0	172	485	7.4	220	--
MAR., 1954												
30...	--	129	--	--	131	61	4	57	229	6.8	20	--
SEP., 1957												
30...	20	262	227	14	37.5	159	37	121	445	6.7	7	13.5
NOV.												
06...	3.6	199	187	6	23.1	113	0	123	343	7.0	--	8.5
JAN., 1958												
08...	6.3	131	119	8	65.4	97	26	71	227	6.5	2	.0
FEB.												
11...	12	166	146	18	62.7	111	9	102	287	7.6	7	.5
MAR.												
12...	5.5	155	147	9	81.2	129	31	98	268	6.5	5	4.0
APR., 1967												
27...	1.2	88	86	--	124	66	18	48	154	7.5	6	7.2
MAY												
25...	.8	119	110	--	99.9	85	11	74	208	7.0	3	8.9
JUNE												
28...	1.8	130	122	--	89.2	99	18	80	219	7.1	4	20.0
AUG.												
01...	3.4	113	97	--	84.5	79	20	59	184	7.0	10	19.0
24...	6.0	188	182	--	54.3	112	0	116	332	7.4	7	20.0
SEP.												
28...	12.	221	214	--	50.1	133	0	132	382	7.0	7	15.5
OCT.												
31...	1.7	143	122	--	59.5	91	15	76	223	7.0	0	8.0
NOV.												
30...	9.5	132	134	--	66.6	94	17	77	237	7.0	7	2.0
DEC.												
26...	3.0	108	108	--	83.4	70	16	54	196	6.9	4	2.0
JAN., 1968												
24...	10.	173	167	--	57.0	120	20	101	306	7.2	3	1.0
FEB.												
27...	2.5	105	103	--	30.3	84	16	69	192	7.5	3	1.0
MAR.												
19...	1.3	68	58	--	297	38	8	30	106	7.2	6	3.0
APR.												
26...	2.2	73	70	--	141	52	16	36	119	7.0	11	7.0
MAY												
28...	5.0	141	134	--	83.0	86	6	82	251	7.3	2	15.0
01333000 - GREEN RIVER AT WILLIAMSTOWN MASS (LAT 42 42 32 LONG 073 11 50)												
APR., 1967												
27...	1.4	90	87	--	39.9	66	14	52	161	7.6	6	7.2
MAY												
25...	.9	97	86	--	30.9	69	12	57	165	7.1	3	8.3
JUNE												
28...	.3	101	95	--	33.0	74	12	62	174	7.0	4	18.9
AUG.												
01...	.4	113	116	--	22.0	102	18	84	212	7.1	6	18.0
24...	.0	125	122	--	7.76	102	10	93	228	7.4	3	20.0
SEP.												
28...	2.2	129	129	--	4.53	107	10	97	239	7.3	2	16.0
OCT.												
31...	.4	112	101	--	11.5	82	12	71	187	7.3	1	7.0
NOV.												
30...	2.0	97	101	--	16.2	76	7	69	193	7.3	2	1.0
DEC.												
26...	2.2	87	88	--	23.5	70	14	56	164	7.2	0	1.0
JAN., 1968												
24...	2.4	123	128	--	9.30	92	18	74	238	7.3	1	1.0
FEB.												
27...	1.2	171	168	--	11.5	110	0	121	323	7.0	7	1.0
MAR.												
19...	2.0	71	62	--	102	44	8	36	118	7.3	2	4.0
APR.												
26...	1.9	80	75	--	72.8	58	12	46	134	7.1	7	5.0
MAY												
28...	.1	89	84	--	13.2	71	6	66	158	7.5	0	15.0

Table 11.--Miscellaneous chemical analyses of streams

Map reference no. (Plate 1)	Station name	Date	Time	Specific conductance (micromhos)	Dissolved oxygen (mg/l)	Temperature (°C)	pH
1	Gore Brook near Cheshire, Mass.----------------	8-28-68	1845	268	8.4	16	8.1
2	Cheshire Reservoir Outlet at Cheshire, Mass.---	8-30-68	1215	200	7.5	20	8.4
3	Kitchen Brook at Cheshire, Mass.---------------	8-27-68	1830	150	9.4	15	8.1
4	Hoosic River at Cheshire, Mass.----------------	8-30-68	1220	241	8.0	17.5	7.5
5	South Brook at Cheshire, Mass.-----------------	8-27-68	1700	91	9.0	16	7.7
6	Bassett Brook at Cheshire Harbor, Mass.--------	8-28-68	1815	89	9.9	13.5	7.8
7	Hoosic River above Dry Brook, at Adams, Mass.--	8-30-68	1140	244	9.0	15	8.4
8	Dry Brook near Adams, Mass.--------------------	8-27-68	1900	241	8.2	17	8.2
9	Hoosic River at Adams, Mass.-------------------	8-30-68	1145	285	8.5	13.5	8.1
10	Pecks Brook at Adams, Mass.--------------------	8-30-68	1130	243	8.7	14	8.0
11	Tophet Brook near Adams, Mass.-----------------	8-28-68	1700	215	8.8	19	8.7
12	Hoosic River above North Adams, Mass.----------	8-30-68	1100	450	2.8	16	9.1
13	North Branch Hoosic River at Stamford, Vt.-----	8-28-68	1345	81	9.1	18	7.0
14	Canyon Brook at Briggsville, Mass.-------------	8-28-68	1610	158	9.4	14	7.8
15	North Branch Hoosic River at Briggsville, Mass.--	8-28-68	1445	114	10.3	19	9.0
16	North Branch Hoosic River near North Adams, Mass.--------------------------	8-28-68	1530	131	9.5	18.5	8.9
17	Cowan Branch near Stamford, Vt.----------------	8-28-68	1030	42	9.4	12	6.8
18	Hudson Brook at Clarksburg, Mass.--------------	8-28-68	1200	89	10.4	16	8.9
19	North Branch Hoosic River at North Adams, Mass.--	8-28-68	1545	132	8.9	19	9.4
	North Adams, Mass.--------------------------	8-30-68	1300	140	9.3	15	8.6
20	Hoosic River below North Adams, Mass.----------	8-30-68	1045	520	4.5	17	8.3
21	Sherman Brook near North Adams, Mass.----------	8-29-68	1400	109	8.9	15	7.7
22	Hoosic River near Williamstown, Mass.----------	8-30-68	1025	610	2.1	18	8.1
23	Green River at New Ashford, Mass.--------------	8-29-68	1210	340	10.6	12.5	8.2
24	Thompson Brook near New Ashford, Mass.---------	8-29-68	1200	205	9.5	17	8.2
25	Green River near New Ashford, Mass.------------	8-29-68	1225	295	11.4	14	8.8
26	East Branch Green River near New Ashford, Mass.--	8-29-68	1255	172	10.0	13	7.8
27	Green River near South Williamstown, Mass.-----	8-29-68	1240	215	9.2	18	8.4
28	West Branch Green River near Hancock, Mass.----	8-29-68	1025	48	10.2	13	7.4
29	West Branch Green River at South Williamstown, Mass.--	8-29-68	1650	167	9.2	17.5	8.5
30	Hopper Brook near South Williamstown, Mass.----	8-29-68	0930	182	10.2	13	8.0
31	Green River at Williamstown, Mass.-------------	8-29-68	1545	242	8.8	18	8.9
		8-30-68	0915	320	9.6	14	8.2
32	Hemlock Brook near Williamstown, Mass.---------	8-29-68	1630	162	6.5	19.5	7.4
33	Hemlock Brook below unnamed tributary, near Williamstown, Mass.--------------------------	8-29-68	1715	245	8.7	17	8.4
34	Buxton Brook near Williamstown, Mass.----------	8-29-68	1000	150	8.8	15	7.7
35	Hemlock Brook at Williamstown, Mass.-----------	8-29-68	1500	239	10.1	17	8.9
		8-30-68	1000	245	10.6	12.5	8.2
36	Broad Brook near Williamstown, Mass.-----------	8-28-68	1735	172	9.2	15	7.8
37	Hoosic River below Williamstown, Mass.---------	8-30-68	0945	495	2.1	15.5	7.7

TABLE 12.--INSTANTANEOUS SUSPENDED-SEDIMENT CONCENTRATIONS OF STREAMS

01331400. DRY BROOK NEAR ADAMS, MASS.
(LAT 42°35'20" LONG 073°06'48")

DATE	TIME	DISCHARGE (FT^3/S)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR., 1967				
27...	0930	25	4	0.27
MAY				
25...	0800	26	28	2.0
JUNE				
28...	1115	13	3	.11
MAR., 1968				
18...	1705	405	498	545
19...	0855	151	301	123
19...	1615	146	361	142
20...	0930	92	50	12
20...	1625	148	220	88
21...	0950	105	42	12
26...	1035	44	45	5.3
28...	1030	49	37	4.9
APR.				
03...	1500	22	10	.59

01331500. HOOSIC RIVER AT ADAMS, MASS.
(LAT 42°36'37" LONG 073°07'32")

DATE	TIME	DISCHARGE (FT^3/S)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR., 1967				
27...	0850	188	8	4.1
MAY				
25...	0945	96	10	2.6
JUNE				
28...	1200	78	18	3.8
MAR., 1968				
18...	1745	770	182	378
19...	0935	417	95	107
19...	1605	393	97	103
20...	1000	290	31	24
20...	1650	340	108	99
21...	1015	361	19	19
26...	1045	246	32	21
28...	1050	262	25	18
APR.				
03...	1515	159	10	4.3

01332000. NORTH BRANCH HOOSIC RIVER
AT NORTH ADAMS, MASS.
(LAT 42°42'08" LONG 073°05'37")

DATE	TIME	DISCHARGE (FT^3/S)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR., 1967				
27...	0730	169	2	.91
MAY				
25...	0930	113	5	1.5
JUNE				
28...	1430	64	5	.86
MAR., 1968				
18...	1630	822	325	721
19...	0820	652	63	111
19...	1655	694	51	96
20...	0900	490	36	48
20...	1715	580	49	77
21...	0910	694	35	66
26...	1125	229	28	17
28...	1130	294	15	12
APR.				
01...	1130	886	118	282
03...	1430	210	11	6.2
APR., 1969				
23...	1545	919	43	107
24...	0930	514	16	22

01332500. HOOSIC RIVER NEAR WILLIAMSTOWN, MASS.
(LAT 42°42'21" LONG 073°10'50")

DATE	TIME	DISCHARGE (FT^3/S)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR., 1967				
27...	1005	520	6	8.4
MAY				
25...	1000	311	20	17
JUNE				
28...	1300	254	6	4.1
MAR., 1968				
18...	1815	2520	368	2500
19...	1005	1690	119	543
19...	1800	1620	97	424
20...	1045	1150	36	112
21...	1040	1520	53	218
21...	1750	1320	70	250
26...	1200	690	30	56
28...	1220	750	29	59
APR.				
03...	1400	525	15	21
APR., 1969				
23...	1620	2300	175	1090
24...	0900	1350	77	281

01333000. GREEN RIVER AT WILLIAMSTOWN, MASS.
(LAT 42°42'32" LONG 073°11'50")

DATE	TIME	DISCHARGE (FT^3/S)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
APR., 1967				
27...	1030	164	11	4.9
MAY				
25...	1030	118	12	3.8
JUNE				
28...	1330	121	10	3.3
MAR., 1968				
18...	1855	545	289	425
19...	1045	425	124	142
19...	1730	582	233	366
20...	1040	375	74	75
20...	1745	490	209	277
21...	1100	445	87	105
26...	1145	270	41	30
28...	1210	215	40	23
APR.				
03...	1345	135	15	5.5
APR., 1969				
23...	1640	686	100	185

Table 13.--Chemical analyses of precipitation

(Analytical results in milligrams per litre except as indicated.)
(Analyses by U.S. Geological Survey.)

Station name and location	Date	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Phosphate (PO_4)	Ammonia Nitrogen (NH_4)	Specific Conductance (micromhos)	pH
Cheshire, Massachusetts Lat 42°35'20", long 73°06'48", Berkshire County, elev. 1170 ft, At surface-water station no. 8.	4/30/68-5/28/68	6.0	0.19	0.3	0.2	8.0	6.5	0.25	2.90	0.110	0.30	36	6.5
	5/28/68-6/24/68	3.5	.14	.2	.7	7.5	5.5	.25	.10	.145	.55	28	6.3
	6/24/68-8/22/68	7.8	.21	.2	.4	15	8.8	.95	.05	.100	.00	48	6.5
	8/22/68-9/26/68	6.0	.14	.2	.4	13	5.8	.60	.05	.045	.00	41	6.3
	9/26/68-10/22/68	6.3	.15	.3	1.3	16	4.9	1.1	.20	.040	.00	40	6.6
Adams, Massachusetts Lat 42°38'12", long 73°10'08", Berkshire County, elev. 3445 ft, Near the summit of Mt. Greylock.	5/ 1/68-5/28/68	.4	.02	.2	.2	.0	5.9	.25	.05	.095	.60	45	4.1
	5/28/68-6/25/68	.3	.01	.3	.2	.0	5.0	.25	.00	.050	.25	36	4.1
	6/25/68-8/22/68	2.5	.36	.9	.9	.0	16.0	1.36	.10	.110	.05	101	3.7
	8/22/68-9/26/68	1.0	.08	.2	.2	.0	6.5	.60	.05	.005	.10	40	4.2
	9/26/68 10/22/68	1.3	.17	.2	.1	.0	6.6	.40	.05	.070	.05	24	4.6

Table 14.--List of basic-data reports for Massachusetts, New Hampshire, and Maine[1]

MASSACHUSETTS

*1 Wilmington-Reading Area, by John A. Baker and Edward A. Sammel, 1961, 50 p., 2 figs. Covers an area of about 43 mi^2 (111 km^2) in the upper part of the Ipswich River basin in northeastern Massachusetts.

*2 Lower Ipswich River basin, by Edward A. Sammel and John A. Baker, 1962, 47 p., 2 figs. Covers an area of about 110 mi^2 (285 km^2) in northeastern Massachusetts.

*3 Lowell Area, by John A. Baker and Richard G. Petersen, 1962, 28 p., 2 figs. Covers an area of about 115 mi^2 (298 km^2) and includes most of the metropolitan area of the city of Lowell.

*4 Parker and Rowley River basins, by Edward A. Sammel, 1962, 33 p., 2 figs. The rivers drain an area of about 77 mi^2 (199 km^2) in northeastern Massachusetts.

*5 Brockton-Pembroke Area, by Richard G. Petersen, 1962, 46 p., 2 figs. Covers an area of about 112 mi^2 (290 km^2) in the northern part of Plymouth County.

*6 Western Massachusetts, by Richard G. Petersen and Anthony Maevsky, 1962, 31 p., 1 fig. Covers an area of about 2,865 mi^2 (7,420 km^2) and includes all of Berkshire, Franklin, Hampshire, and Hampden Counties.

*7 Southeastern Massachusetts, by Anthony Maevsky and Janet A. Drake, 1963, 55 p., 2 figs. Covers an area of about 1,930 mi^2 (4,999 km^2) and includes all of Barnstable, Bristol, Dukes, Nantucket, and Plymouth Counties (exclusive of the Brockton-Pembroke Area).

*8 Assabet River basin, by Samuel J. Pollock and William B. Fleck, 1964, 45 p., 1 pl. Covers an area of approximately 177 mi^2 (458 km^2) and includes parts of Middlesex and Worcester Counties.

*9 Housatonic River basin, by Ralph F. Norvitch and Mary E.S. Lamb, 1966, 50 p., 1 pl. Covers an area of about 530 mi^2 (1,373 km^2) in the upper part of the basin, which is north of the Connecticut-Massachusetts State line.

10 Northern part, Ten Mile and Taunton River basins, by John R. Williams and Richard E. Willey, 1967, 56 p., 1 pl., 1 fig. Covers an area of about 195 mi^2 (505 km^2) within Bristol, Norfolk, and Plymouth Counties.

11 Millers River basin, by Donald R. Wiesnet and William B. Fleck, 1967, 29 p., 1 pl., 1 fig. Covers an area of about 392 mi^2 (1,015 km^2) within Franklin and Worcester Counties, Massachusetts, and Hillsborough and Cheshire Counties, New Hampshire.

12 Taunton River basin, by John R. Williams and Richard E. Willey, 1970, 102 p., 1 pl., 1 fig. Covers an area of about 528 mi^2 (1,368 km^2) in Bristol, Norfolk, and Plymouth Counties.

13 Deerfield River basin, by Bruce P. Hansen, Frederick B. Gay, and L.G. Toler, 1973, 59 p., 1 fig., 1 pl. Covers an area of 348 mi^2 (901 km^2) in northwestern Massachusetts.

14 Neponset and Weymouth River basins, by R.A. Brackley, William B. Fleck, and Richard E. Willey, 1973, 51 p., 1 fig., 1 pl. Covers an area of 183 mi^2 (474 km^2) in eastern Massachusetts south of Boston.

NEW HAMPSHIRE

*1 Southeastern Area, by Edward Bradley and Richard G. Petersen, 1962, 53 p., 5 figs. Covers an area of about 390 mi^2 (1,010 km^2) in parts of Rockingham and Strafford Counties.

2 Lower Merrimack River valley, by James M. Weigle and Richard Kranes, 1966, 44 p., 1 pl. Covers an area of about 396 mi^2 (1,026 km^2) in central-southern New Hampshire.

3 Ashuelot River basin, by Harold A. Whitcomb, 1973, 25 p., 1 pl. Covers an area of about 420 mi^2 (1,088 km^2) in southwestern New Hampshire.

MAINE

*1 Southwestern Area, by Glenn C. Prescott, Jr., and Janet A. Drake, 1962, 35 p., 2 figs. Covers an area of about 800 mi^2 (2,072 km^2) in York County.

2 Lower Penobscot basin, by Glenn C. Prescott, Jr., 1964, 40 p., 3 figs. Covers an area of about 825 mi^2 (2,137 km^2) in Penobscot, Hancock, and Waldo Counties.

3 Lower Androscoggin River basin, by Glenn C. Prescott, Jr., 1967, 63 p., 2 figs. Covers most of Androscoggin County, a large part of Oxford County, and portions of Cumberland, Kennebec, and Sagadahoc Counties.

4 Lower Kennebec River basin, by Glenn C. Prescott, Jr., 1968, 38 p., 2 figs. Covers most of Kennebec County, more than half of Sagadahoc County, and portions of Androscoggin, Franklin, Lincoln, and Somerset Counties.

5 Lower Aroostook River basin, by Glenn C. Prescott, Jr., 1970, 30 p., 2 figs. Covers an area of about 536 mi^2 (1,388 km^2) in northeastern Aroostook County.

6 Lower St. John River valley, by Glenn C. Prescott, Jr., 1971, 22 p., 2 figs. Covers an area of about 204 mi^2 (528 km^2) at the northern border of Maine.

7 Meduxnekeag River-Prestile Stream basins, by Glenn C. Prescott, Jr., 1971, 17 p., 2 figs. Covers an area of about 312 mi^2 (808 km^2) in Aroostook County.

8 Southern Washington County, by Glenn C. Prescott, Jr., 1973, 40 p., 2 figs. Covers an area of about 720 mi^2 (1,865 km^2) in Washington County and about 10 mi^2 (26 km^2) in Hancock County.

[1]These reports are available, free of charge, at the following U.S. Geological Survey offices:

U.S. Geological Survey 150 Causeway Street, Suite 1001 Boston, MA 02114 (Massachusetts reports only)	U.S. Geological Survey Federal Building, Room 307 55 Pleasant Street Concord, NH 03301 (New Hampshire reports only)	U.S. Geological Survey State House Annex Capitol Shopping Center Augusta, ME 04330 (Maine reports only)

An asterisk indicates that the report is out of print but may be consulted at the above offices and at many public and educational institution libraries.

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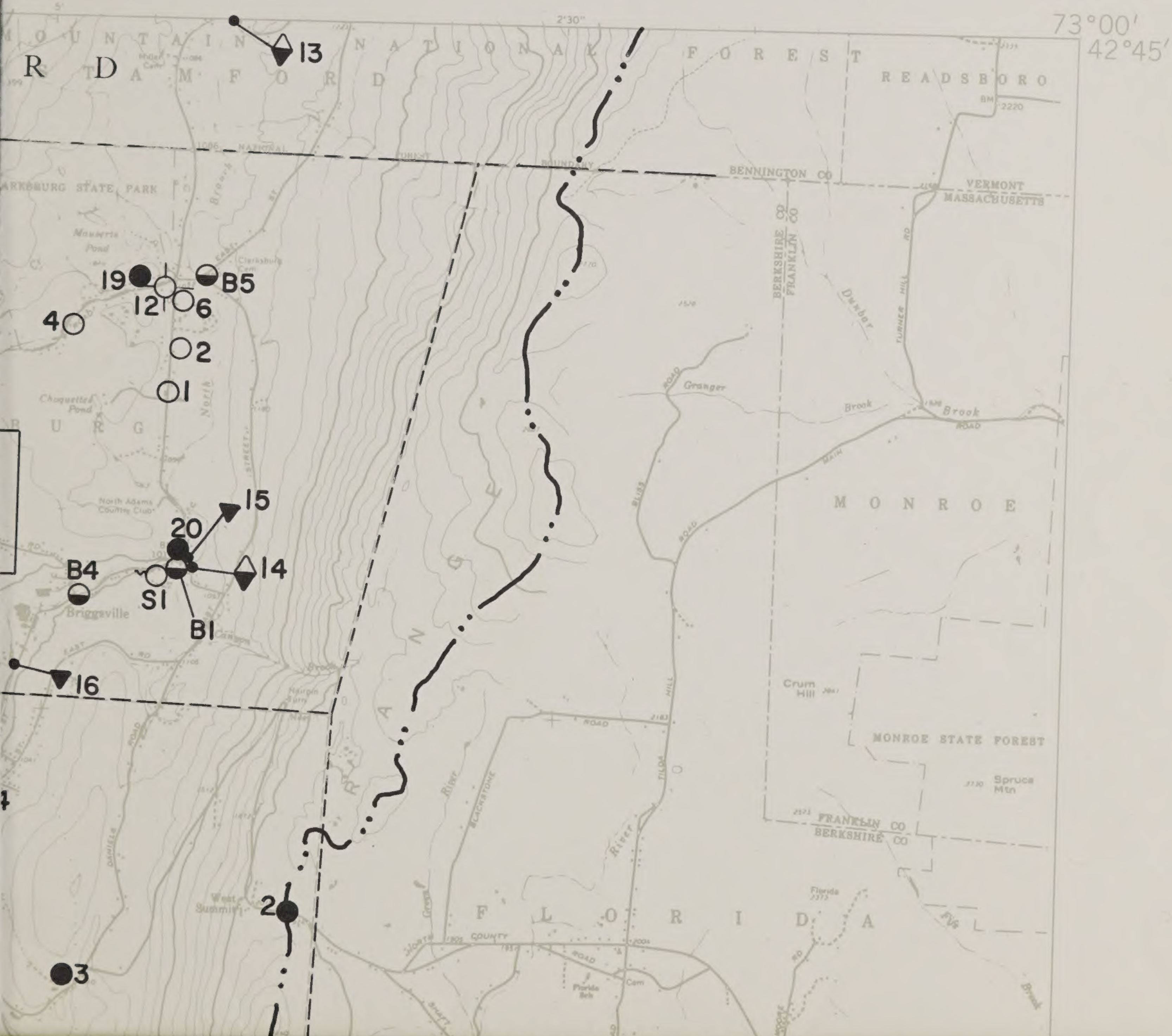

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF MASSACHUSETTS
WATER RESOURCES COMMISSION

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MAP OF THE HOOSIC RIVER BASIN, MASSACHUSETTS, SHOWING HYDROLOGIC-DATA COLLECTION SITES

1974